ProTools Downlights

whitegoods

whitegoods

Whitegoods has developed another range of minimal lighting tools, which utilize the form factor of LED to reduce even further their visual impact, and of course they all hold true to our constant principles.

Our Philosophy

– Reduction of detail
– Seamless architectural integration
– Logical, modular systems and families
 of products
– Ease of specification, installation
 and maintenance

ProTools Range Modularity

The ProTools range of professional lighting tools has been developed as a flexible and adaptable system.

One unified range can meet the demands of all spaces within a project, from the simplest requirements to the most demanding, all with a genuinely matching aesthetic appearance.

Frame

Select from Plaster Trim or Bezel Trim. Once the mounting frame is fitted, it can accept any insert within the range, all of which can be installed and accessed from below.

The same is true for their driver box.
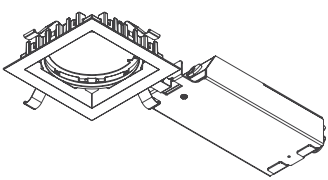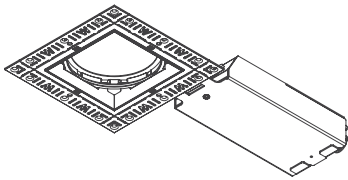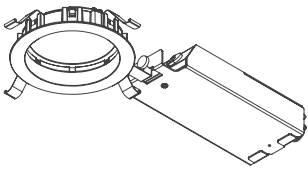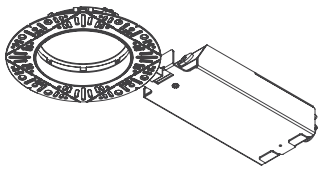
Insert

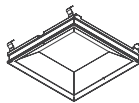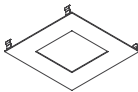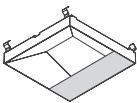Choose the insert to suit your needs:

- Simple ambient light from the D insert.
- Various beam angles from fixed or adjustable.
- Ultimate performance, superb glare control, lens options and a unique void shielding system with the DLX insert.
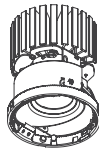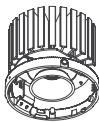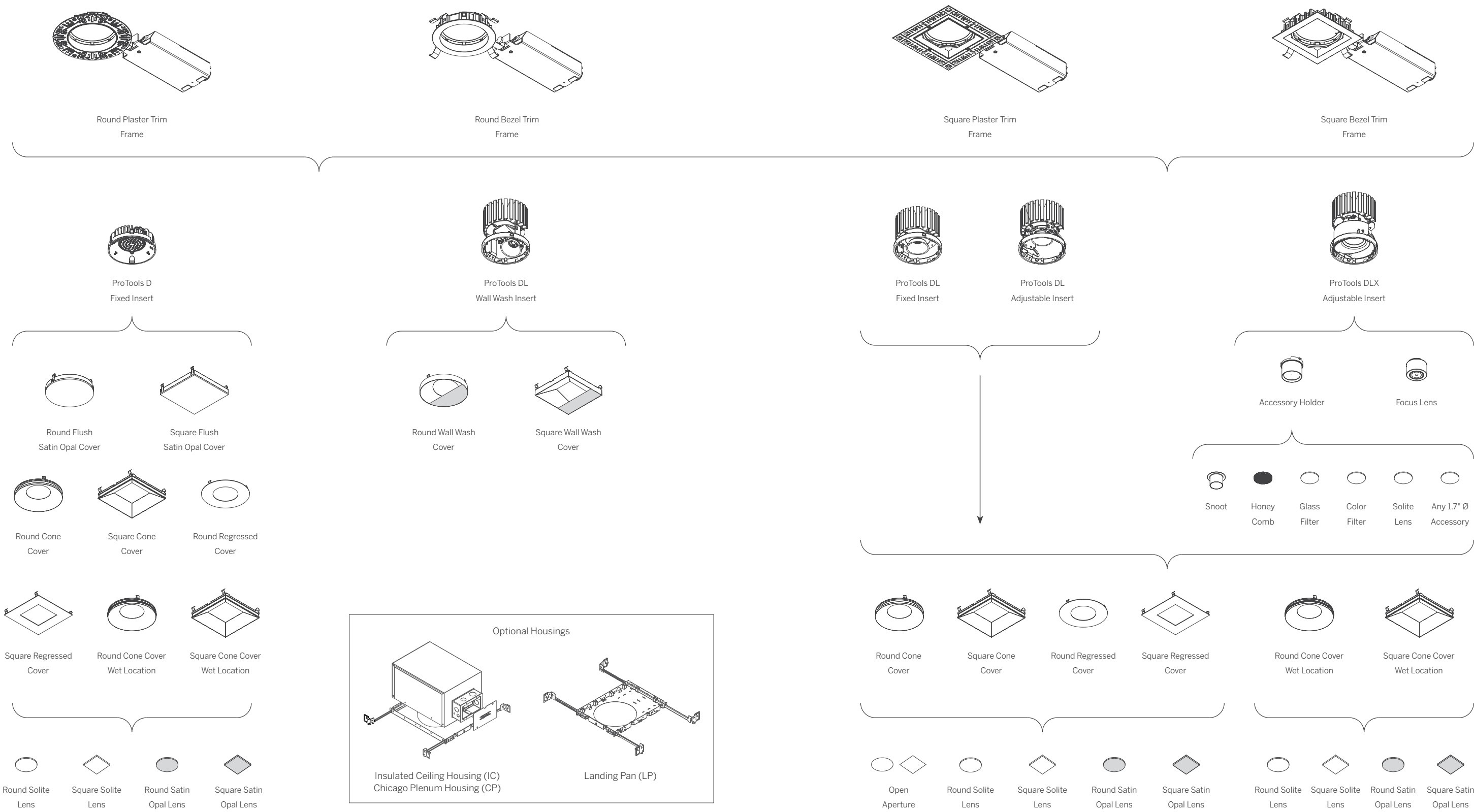
Cover

Complete with your choice of cover:

- Flush Satin Opal
- Regressed Cone
- Wall Wash
- Regressed Pinhole
- Wet Location

ProTools Range Logic

The ProTools range allows the specifier freedom to design for all spaces and environments within a project from one succinct, logical and aesthetically congruent range of luminaires. The comprehensive options cover all of the designer's needs.

Round Plaster Trim
Frame

Round Bezel Trim
Frame

Square Plaster Trim
Frame

Square Bezel Trim
Frame

ProTools D
Fixed Insert

ProTools DL
Wall Wash Insert

ProTools DL
Fixed Insert

ProTools DL
Adjustable Insert

ProTools DLX
Adjustable Insert

Round Flush
Satin Opal Cover

Square Flush
Satin Opal Cover

Round Wall Wash
Cover

Square Wall Wash
Cover

Accessory Holder

Focus Lens

Round Cone
Cover

Square Cone
Cover

Round Regressed
Cover

Snoot

Honey
Comb

Glass
Filter

Color
Filter

Solite
Lens

Any 1.7" Ø
Accessory

Square Regressed
Cover

Round Cone Cover
Wet Location

Square Cone Cover
Wet Location

Round Cone
Cover

Square Cone
Cover

Round Regressed
Cover

Square Regressed
Cover

Round Cone Cover
Wet Location

Square Cone Cover
Wet Location

Optional Housings

Insulated Ceiling Housing (IC)
Chicago Plenum Housing (CP)

Landing Pan (LP)

Round Solite
Lens

Square Solite
Lens

Round Satin
Opal Lens

Square Satin
Opal Lens

Open
Aperture

Round Solite
Lens

Square Solite
Lens

Round Satin
Opal Lens

Square Satin
Opal Lens

Round Solite
Lens

Square Solite
Lens

Round Satin
Opal Lens

Square Satin
Opal Lens

ProTools Aim Stick & Aim Stick Laser

"Hot aiming" has been a buzzword in the lighting industry for decades. However, these days, it is something of a misnomer, as luminaires with LED technology run much cooler than their predecessors. Moreover, the traditional requirement for "lockable" fixtures related to the fact that their carefully aimed position would inevitably be disturbed during re-lamping every few thousand hours. The locking mechanism was there to minimize this. As LEDs will now more than likely outlast the serviceable life of an installation, this requirement is redundant. Market leading COB LEDs mean that, once set, the luminaire is unlikely to need servicing.

Instead, we have ensured that the position of our adjustable downlights is "fixed as set" by default. The 365 degree rotation is incrementally defined by a spring-loaded ratchet system, ensuring that the position achieved is fixed the moment it is set. The aiming angle is likewise held fast by four, factory torque set, friction points.

Whitegoods products are designed with input from lighting designers who have years of real life, first hand experience of specifying and using luminaires of all kinds. We know that construction sites can be difficult places to work. Focusing a project when the BMS or lighting control system is also being commissioned can mean wasted hours waiting for the lights to come on. With ProTools the designer can focus the project with lights on or off, utilizing the unique aiming stick with laser sight, allowing total confidence that the luminaire will hit its target.

If you don't have one on hand, don't worry. A long thin screwdriver can be used to do the same job, albeit without the laser aiming of course.
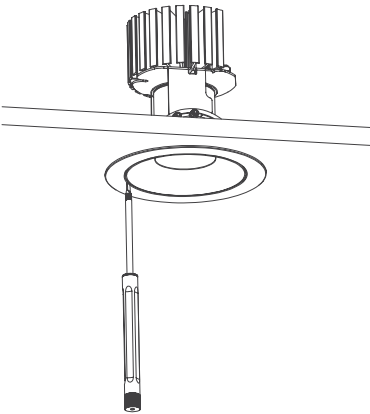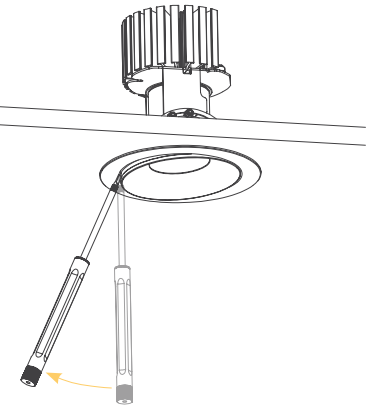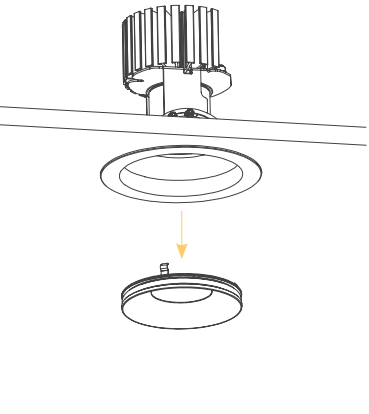
ProTools Aim Stick
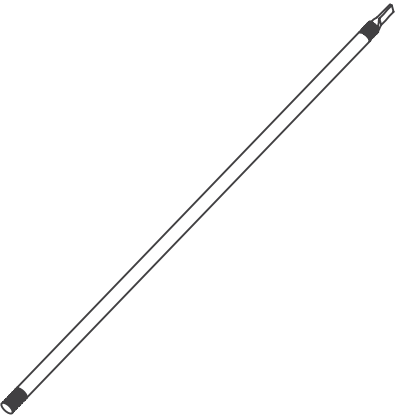
ProTools Aim Stick Laser

① Gently insert the edge of the Aim Stick into the gap between the housing and the cover.

② Lever out the cover.

③ Remove the cover.
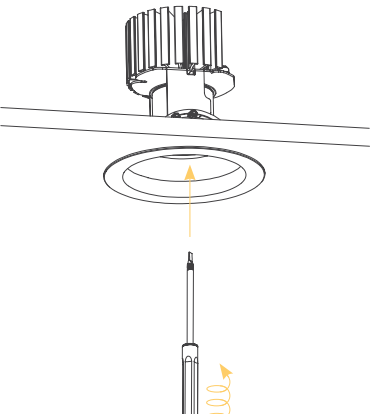
④ Locate the designated hole for the tool. Insert the ProTools Aim Stick into the housing and screw in a few short twists.

View from under the ProTools DLX.

The designated hole for the Aim Stick is highlighted in yellow.
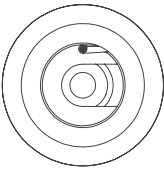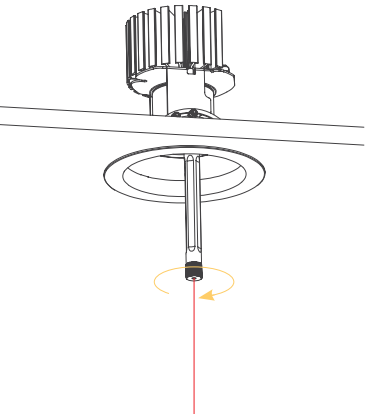
⑤ Activate the laser by rotating the black dial on the bottom of the Aim Stick clockwise.
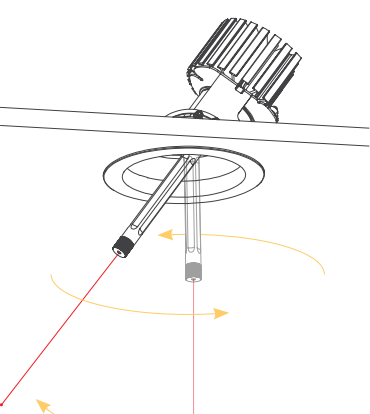
⑥ Use the tool to rotate the direction of the beam to the desired point.
The ProTools DLX can rotate 365° and has a tilt of 45°, the ProTools DL Adjustable can rotate 365° and has a tilt of 40°.

Once the required adjustment has been made, repeat steps 3-6 in reverse.

ProTools

The ProTools 4" downlight family offers trimless and trim, round or square, ambient light, or adjustable, wall washers, ultimate performance, superb glare control, lens options and the Whitegoods attention to integration with surrounding materials.

Made in the USA and in stock in Maryland.

Fixed Downlights

4" ProTools D Downlight
Square Flush Diffuser
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4" ProTools D Downlight
Round Flush Diffuser
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4" ProTools D Downlight
Square Regressed Cone Cover
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**4" ProTools D Downlight**
Round Regressed Cone Cover
Product details 26

4" ProTools D Downlight
Square Regressed Pinhole Cover
Product details 28

4" ProTools D Downlight
Round Regressed Pinhole Cover
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4" ProTools DL Downlight
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Round Regressed Cone Cover
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Square Regressed Pinhole Cover
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Adjustable Downlights

4" ProTools DL Adjustable
Square Regressed Cone Cover
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Round Regressed Cone Cover
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4" ProTools DL Adjustable
Square Regressed Pinhole Cover
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4" ProTools DL Adjustable
Round Regressed Pinhole Cover
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4" ProTools DL Adjustable
Square Asymmetric Cover
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4" ProTools DL Adjustable
Round Asymmetric Cover
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4" ProTools DLX Downlight
Square Regressed Cone Cover
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4" ProTools DLX Downlight
Square Regressed Cone Cover - Narrow / Zoom
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4" ProTools DLX Downlight
Round Regressed Cone Cover
Product details 56
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4" ProTools DLX Downlight
Round Regressed Cone Cover - Narrow / Zoom
Product details 58
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4" ProTools DLX Downlight
Square Regressed Pinhole Cover
Product details 60
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4" ProTools DLX Downlight
Square Regressed Pinhole Cover - Narrow / Zoom
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4" ProTools DLX Downlight
Round Regressed Pinhole Cover
Product details 64
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4" ProTools DLX Downlight
Round Regressed Pinhole Cover - Narrow / Zoom
Product details 66
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4" ProTools DLX Downlight
Square Asymmetric Cover
Product details 68
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4" ProTools DLX Downlight
Square Asymmetric Cover - Narrow / Zoom
Product details 70
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4" ProTools DLX Downlight
Round Asymmetric Cover
Product details 72
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4" ProTools DLX Downlight
Round Asymmetric Cover - Narrow / Zoom
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Washlights

4" ProTools DL Wall Wash
Square Wall Wash Cover
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4" ProTools DL Wall Wash
Round Wall Wash Cover
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ProTools Applications

Downlight
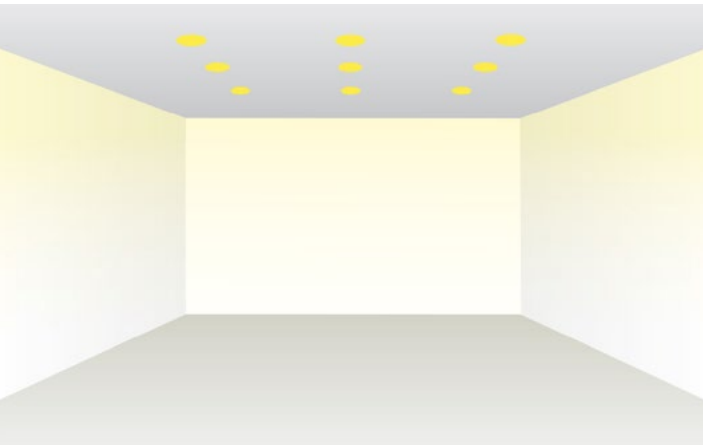
Perhaps the most common lighting solution utilized for general area lighting, arranging a group of lights in a grid to give even illumination to the surface below.

Of course, the popularity of a technique is not always a sign of best practice, and in this case it typically has more to do with economy and ease of implementation.

However, when applied to a space with some consideration it can be an effective technique. One thing to consider for this type of solution is "how much light will fall on the walls?". A space can have a lot of light being delivered into it, but if the walls are not sufficiently illuminated, there is a good chance that the space will feel gloomy, even though there is plenty of light falling on horizontal surfaces like desks or the floor.

Fortunately, many Whitegoods luminaires have good 'high angle distribution', which can help to deal with this common issue.

Tip
Look for Whitegoods product codes that include "D", "DL", or "DLX" to find downlights.

Washlight
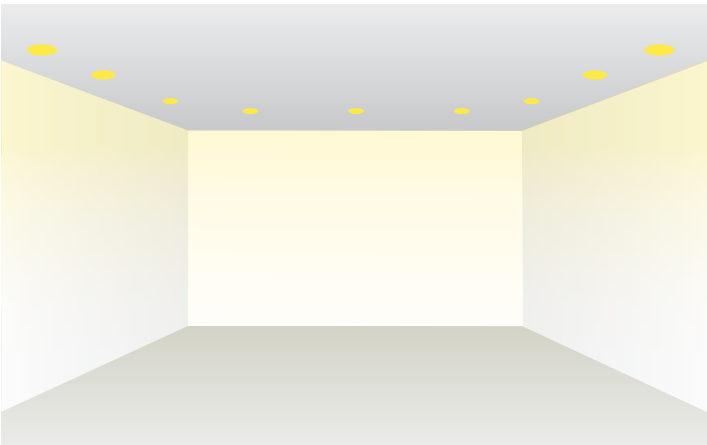
The aim of wall washing, or in fact washing any surface with light (wall, ceiling or floor), is to create an even 'wash' of light across the surface. The wall wash is a great way to introduce light into a room as the brightness of the vertical surfaces around us play a crucial role in our perception of a space. You can use linear or point sources, and both will need to emit a wide, even beam of light which is directed towards the wall, to create the effect.

Downlights need to be correctly positioned, both in terms of distance from the wall, and their relative distance to one another. There are helpful guides for this in the Design Guide section of this book. Linear sources also need careful placing in terms of their offset from the wall, and can be used in a continuous format, or as a series of linear elements. A continuous linear source will achieve the most consistent overall effect, although downlights might better suit the architecture or construction method.

Tip
Look for Whitegoods product codes that include "WW" throughout this book to find wash lights.

Adjustable
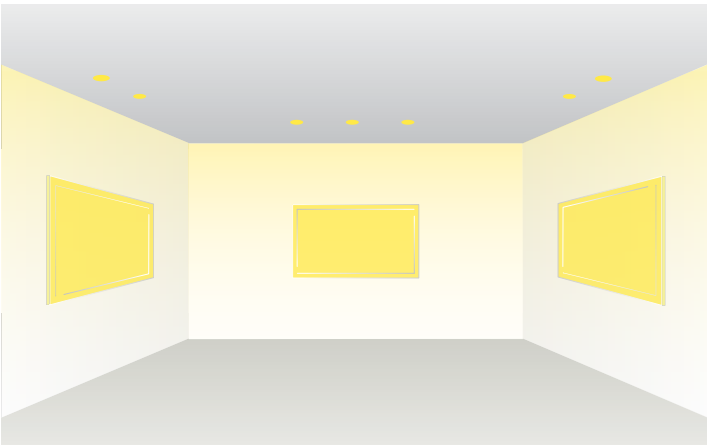
Of course, although considering whole surfaces is a highly effective way to start thinking about light within your project, it is equally possible to think in terms of specific pieces of architecture, art, sculpture, ornamentation or furniture, and treat these as focal objects, drawing the viewers attention to them naturally and simply by highlighting them against their background scenario.

A useful 'rule of thumb' here is that if you allow ten times more light to fall on an object relative to the surrounding light level, it will seem to be 'popping' out of the scene and will tend to draw the eye.

Tip
Look for Whitegoods product codes that include "DL" or "DLX" throughout this book to find products suitable for highlighting focal objects.

4" ProTools D Downlight
Square Flush Diffuser

High-Angle Distribution Ambient Lighting

- 4" aperture square downlight for wide distribution ambient lighting.
- High angle distribution giving good vertical illumination.
- High transmission, evenly illuminated Flush Satin Diffuser.
- Beam Angle: Lambertian
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

Product Code	WG 100SPTD-RPT-FSOD Plaster Trim (White finish as standard)
	WG 100SPTD-RBT-FSOD-W Bezel Trim White
	WG 100SPTD-RBT-FSOD-G Bezel Trim Grey
Aperture	4.0" × 4.0"
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	Lambertian
Diffuser	Flush Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTD-RPT-FSOD
Plaster Trim

2.9" 74mm
1.9" 48mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100SPTD-RBT-FSOD
Bezel Trim

2.9" 74mm
1.9" 48mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools D Downlight
Square Flush Diffuser

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Lens	Beam	Finish	Options
WG-100SPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	FSOD	LAM	W G[5]	LP CP IC

Model
- WG-100SPTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Lens
- FSOD = Flush Square Satin Opal Lens

Beam
- LAM = Lambertian

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools D Downlight
Round Flush Diffuser

High-Angle Distribution Ambient Lighting

- 4" aperture round downlight for wide distribution ambient lighting.
- High angle distribution giving good vertical illumination.
- High transmission, evenly illuminated Flush Satin Diffuser.
- Beam Angle: Lambertian
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

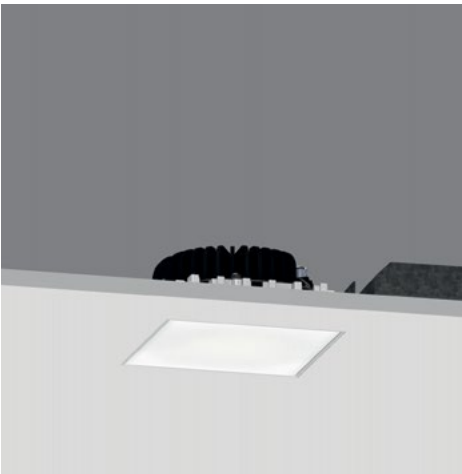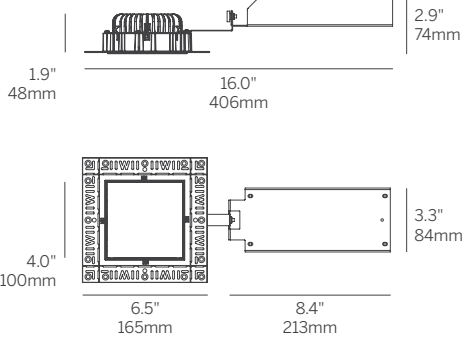|		
Product Code	WG 100RPTD-RPT-FROD	Plaster Trim (White finish as standard)
	WG 100RPTD-RBT-FROD-W	Bezel Trim White
	WG 100RPTD-RBT-FROD-G	Bezel Trim Grey
Aperture	Ø 4.0"	
LEDs	90 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	Lambertian	
Diffuser	Flush Satin Opal	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100RPTD-RPT-FROD
Plaster Trim

1.9" / 48mm   2.9" / 74mm

16.0" / 406mm

4.0" / 100mm   3.3" / 84mm

6.5" / 165mm   8.4" / 213mm

WG 100RPTD-RBT-FROD
Bezel Trim

1.9" / 48mm   2.9" / 74mm

14.7" / 373mm

4.0" / 100mm   3.3" / 84mm

5.2" / 132mm   8.4" / 213mm

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4" ProTools D Downlight
Round Flush Diffuser

Model	Fixation[1,2]	Power[3]	CRI/CCT[3]	Driver[5]	Lens	Beam	Finish	Options
WG-100RPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	FROD	LAM	W G[5]	LP CP IC

Model
- WG-100RPTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Lens
- FROD = Flush Round Satin Opal Lens

Beam
- LAM = Lambertian

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools D Downlight
Square Regressed Cone Cover

Even Illumination From Regressed Lens

- 4" square aperture downlight with wide distribution ambient lighting.
- 0.7" regressed, evenly illuminated, highly efficient Satin Opal Diffuser providing good glare control.
- High efficiency, high transmission diffuser.
- Beam Angle: 110°
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).

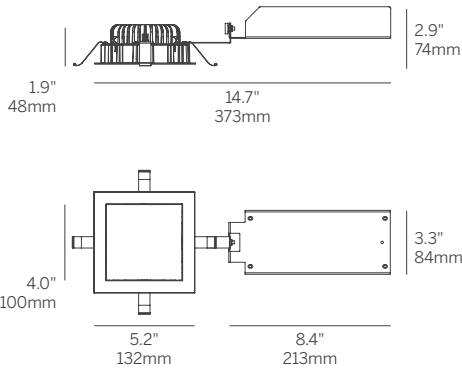|	
Product Code	WG 100SPTD-RPT-SRC-W Plaster Trim White
	WG 100SPTD-RBT-SRC-W Bezel Trim White
	WG 100SPTD-RBT-SRC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	110º
Diffuser	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTD-RPT-SRC
Plaster Trim

1.9" / 48mm — 16.0" / 406mm — 2.9" / 74mm

4.0" / 100mm — 6.5" / 165mm — 8.4" / 213mm — 3.3" / 84mm

WG 100SPTD-RBT-SRC
Bezel Trim

1.9" / 48mm — 14.7" / 373mm — 2.9" / 74mm

4.0" / 100mm — 5.2" / 132mm — 8.4" / 213mm — 3.3" / 84mm

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4" ProTools D Downlight
Square Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[3]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRC	RSO	110	W G[5]	LP CP IC WL

Model
- WG-100SPTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRC = Square Regressed Cone

Lens
- RSO = Regressed Satin Opal

Beam
- 110 = 110° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1 Other lumen packages available, consult factory.
2 Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3 See LED data sheet for delivered lumens.
4 See power supply page for details.
5 Plaster trim version includes white frame and gray cover.

4" ProTools D Downlight
Round Regressed Cone Cover

Even Illumination From Regressed Lens

- 4" round aperture downlight with wide distribution ambient lighting.
- 0.7" regressed, evenly illuminated, highly efficient Satin Opal Diffuser providing good glare control.
- High efficiency, high transmission diffuser.
- Beam Angle: 110°
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).

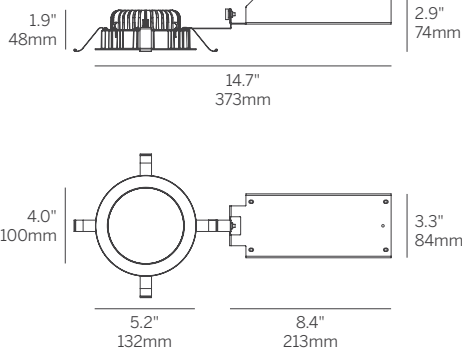|	
Product Code	WG 100RPTD-RPT-RRC-W Plaster Trim White
	WG 100RPTD-RBT-RRC-W Bezel Trim White
	WG 100RPTD-RBT-RRC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	110°
Diffuser	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTD-RPT-RRC
Plaster Trim

1.9" / 48mm   16.0" / 406mm   2.9" / 74mm

4.0" / 100mm   6.5" / 165mm   8.4" / 213mm   3.3" / 84mm

WG 100RPTD-RBT-RRC
Bezel Trim

1.9" / 48mm   14.7" / 373mm   2.9" / 74mm

4.0" / 100mm   5.2" / 132mm   8.4" / 213mm   3.3" / 84mm

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Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRC	RSO	110	W G[5]	LP CP IC WL

Model
- WG-100RPTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRC = Round Regressed Cone

Lens
- RSO = Regressed Satin Opal

Beam
- 110 = 110° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools D Downlight
Square Regressed Pinhole Cover

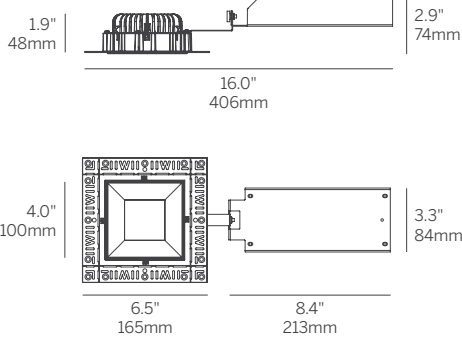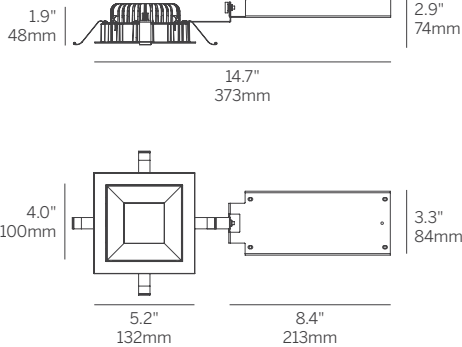**Even Illumination From Regressed Lens**

- 4" square aperture downlight with wide distribution ambient lighting.
- 0.7" regressed, evenly illuminated, highly efficient Satin Opal Diffuser providing good glare control.
- High efficiency, high transmission diffuser.
- Beam Angle: 110°
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

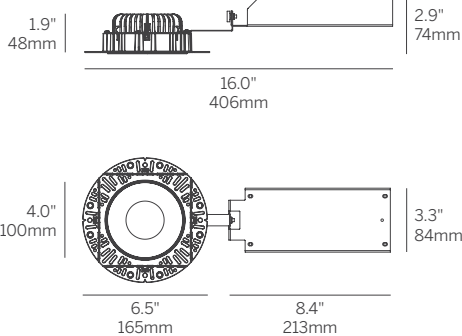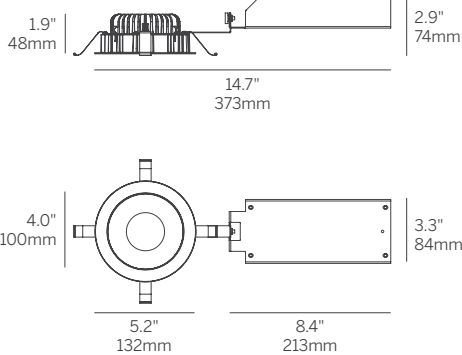|	
Product Code	WG 100SPTD-RPT-SRP-W Plaster Trim White
	WG 100SPTD-RBT-SRP-W Bezel Trim White
	WG 100SPTD-RBT-SRP-G Bezel Trim Grey
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	110°
Diffuser	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTD-RPT-SRP
Plaster Trim

1.9" 48mm   2.9" 74mm   16.0" 406mm

4.0" 100mm   3.3" 84mm   6.5" 165mm   8.4" 213mm

WG 100SPTD-RBT-SRP
Bezel Trim

1.9" 48mm   2.9" 74mm   14.7" 373mm

4.0" 100mm   3.3" 84mm   5.2" 132mm   8.4" 213mm

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Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRP	RSO	110	W G[5]	LP CP IC

Model
- WG-100SPTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRP = Square Regressed Pinhole

Lens
- RSO = Regressed Satin Opal

Beam
- 110 = 110° Beam Angle

Finish
- W = White
- G = Gray[5]

Options[6]
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools D Downlight
Round Regressed Pinhole Cover
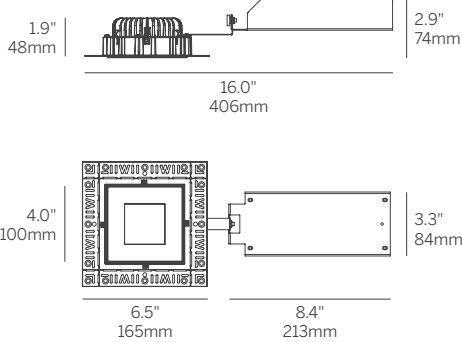
Even Illumination From Regressed Lens

- 4" round aperture downlight with wide distribution ambient lighting.
- 0.7" regressed, evenly illuminated, highly efficient Satin Opal Diffuser providing good glare control.
- High efficiency, high transmission diffuser.
- Beam Angle: 110°
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

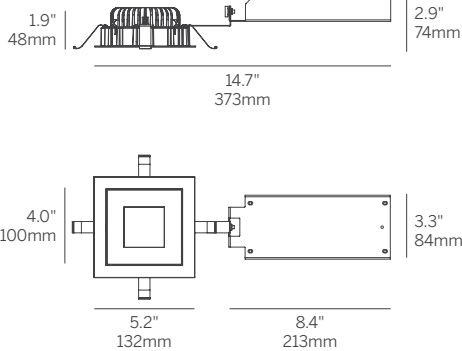|	
Product Code	WG 100RPTD-RPT-RRP-W — Plaster Trim White
	WG 100RPTD-RBT-RRP-W — Bezel Trim White
	WG 100RPTD-RBT-RRP-G — Bezel Trim Grey
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	110°
Diffuser	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTD-RPT-RRP
Plaster Trim

1.9" / 48mm   2.9" / 74mm
16.0" / 406mm

4.0" / 100mm   3.3" / 84mm
6.5" / 165mm   8.4" / 213mm
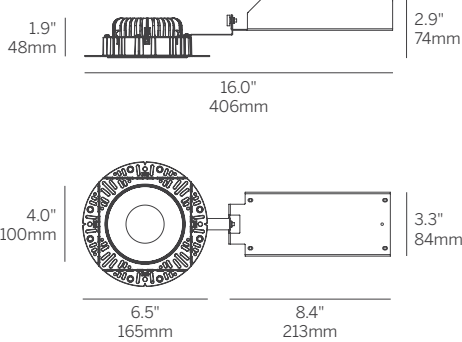
WG 100RPTD-RBT-RRP
Bezel Trim

1.9" / 48mm   2.9" / 74mm
14.7" / 373mm

4.0" / 100mm   3.3" / 84mm
5.2" / 132mm   8.4" / 213mm

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4" ProTools D Downlight
Round Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTD	RPT RBT	L M H	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRP	RSO	110	W G[5]	LP CP IC

Model
- WG-100SRTD = 4" ProTools D Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 11W @ 350mA
- M = Mid Power, 15W @ 500mA
- H = High Power, 22.5W @ 700mA

CRI/CCT[3]
90+ CRI (Low/Medium/High Power)
- 927 = 2700K, (759/1074/1488 lm)
- 930 = 3000K, (771/1092/1512 lm)
- 935 = 3500K, (795/1128/1566 lm)
- 940 = 4000K, (834/1188/1638 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRP = Round Regressed Pinhole

Lens
- RSO = Regressed Satin Opal

Beam
- 110 = 110° Beam Angle

Finish
- W = White
- G = Gray[5]

Options[6]
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1 Other lumen packages available, consult factory.
2 Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3 See LED data sheet for delivered lumens.
4 See power supply page for details.
5 Plaster trim version includes white frame and gray cover.

4" ProTools DL Downlight
Square Regressed Cone Cover

Multiple Beam Options From Regressed Source

- 4" square downlight with 2" light aperture.
- 0.7" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 55°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).

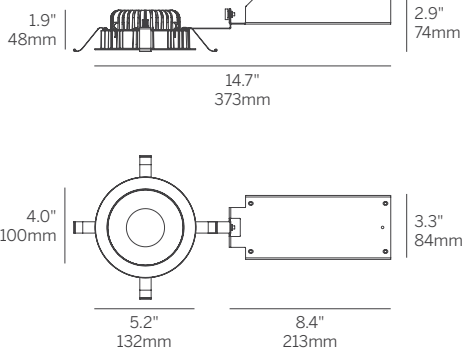|		
Product Code	WG 100SPTDLF-RPT-SRC-W	Plaster Trim White
	WG 100SPTDLF-RBT-SRC-W	Bezel Trim White
	WG 100SPTDLF-RBT-SRC-W	Bezel Trim Grey
	Add 'WL' for wet location option	
Aperture	4.0" × 4.0" (2.0" light aperture)	
LEDs	90 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16º, 32º, 41º	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
	Regressed Satin Clear, Wet Location	
	Regressed Satin Opal, Wet Location	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100SPTDLF-RPT-SRC
Plaster Trim

3.6" / 90mm
16.0" / 406mm
4.0" / 100mm
3.3" / 84mm
6.5" / 165mm
8.4" / 213mm

WG 100SPTDLF-RBT-SRC
Bezel Trim

3.6" / 90mm
14.7" / 373mm
4.0" / 100mm
3.3" / 84mm
5.2" / 132mm
8.4" / 213mm

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Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLF	RPT RBT	L M H XH	927 930 935 940	X S DO10 PEQ1 PEQ0 DFPN	SRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLF = 4" ProTools DL Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- DO10 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRC = Square Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Downlight
Round Regressed Cone Cover
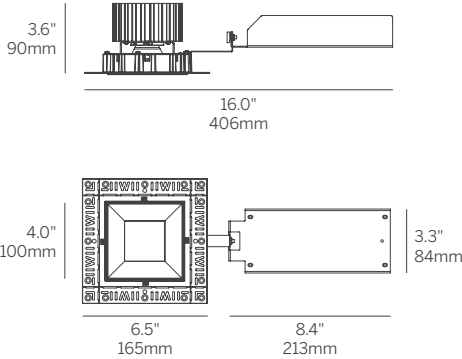
Multiple Beam Options From Regressed Source

- 4" round downlight with 2" light aperture.
- 0.7" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 50°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).

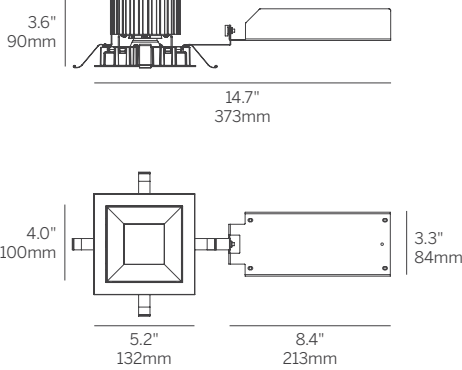|	
Product Code	WG 100RPTDLF-RPT-RRC-W — Plaster Trim White
	WG 100RPTDLF-RBT-RRC-W — Bezel Trim White
	WG 100RPTDLF-RBT-RRC-G — Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLF-RPT-RRC
Plaster Trim

3.6" 90mm

16.0" 406mm

4.0" 100mm

3.3" 84mm

6.5" 165mm | 8.4" 213mm
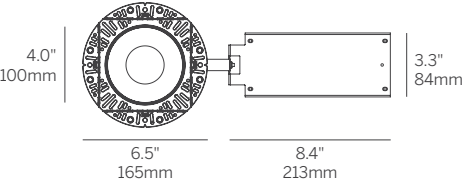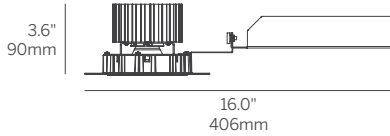
WG 100RPTDLF-RBT-RRC
Bezel Trim

3.6" 90mm

14.7" 373mm

4.0" 100mm

3.3" 84mm

5.2" 132mm | 8.4" 213mm

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4" ProTools DL Downlight
Round Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLF	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100RPTDLF = 4" ProTools DL Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRC = Round Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DL Downlight
Square Regressed Pinhole Cover

Multiple Beam Options From Regressed Source

- 4" square downlight with 2" light aperture.
- 1/2" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 55°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

Product Code	WG 100SPTDLF-RPT-SRP-W	Plaster Trim White
	WG 100SPTDLF-RBT-SRP-W	Bezel Trim White
	WG 100SPTDLF-RBT-SRP-G	Bezel Trim Grey

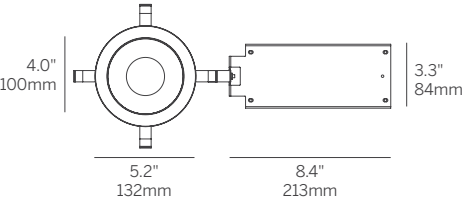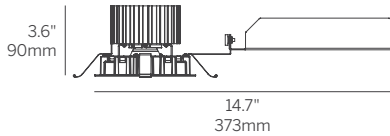| Aperture | 4.0" × 4.0" (2.0" light aperture) |
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLF-RPT-SRP
Plaster Trim

3.6" / 90mm

16.0" / 406mm

4.0" / 100mm

3.3" / 84mm

6.5" / 165mm   8.4" / 213mm
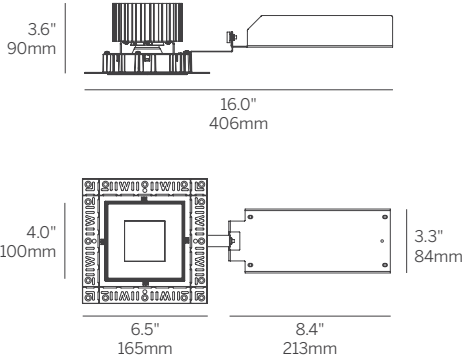
WG 100SPTDLF-RBT-SRP
Bezel Trim

3.6" / 90mm

14.7" / 373mm

4.0" / 100mm

3.3" / 84mm

5.2" / 132mm   8.4" / 213mm

4" ProTools DL Downlight
Square Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLF	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRP	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC

Model
- WG-100SPTDLF = 4" ProTools DL Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRP = Square Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DL Downlight
Round Regressed Pinhole Cover

Multiple Beam Options From Regressed Source

- 4" round downlight with 2" light aperture.
- 1/2" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 55°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.

Product Code	WG 100RPTDLF-RPT-RRP-W	Plaster Trim White
	WG 100RPTDLF-RBT-RRP-W	Bezel Trim White
	WG 100RPTDLF-RBT-RRP-G	Bezel Trim Grey

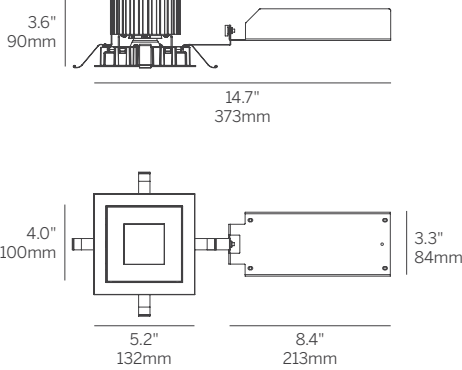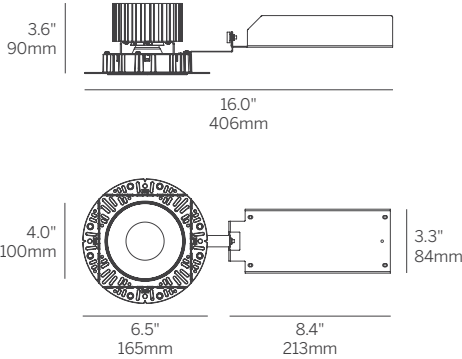| Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLF-RPT-RRP
Plaster Trim

3.6" 90mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100RPTDLF-RBT-RRP
Bezel Trim

3.6" 90mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools DL Downlight
Round Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLF	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRP	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC

Model
- WG-100RPTDLF = 4" ProTools DL Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRP = Round Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
Square Regressed Cone Cover

Multiple Beam Options With Pan And Tilt Adjustment From Regressed Source

- 4" square downlight with 2" light aperture.
- 0.7" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 40°, Rotation 365°.
- Wet Location as standard option (WL).

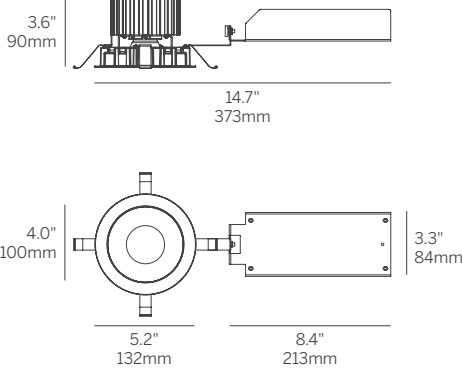|	
Product Code	WG 100SPTDLA-RPT-SRC-W — Plaster Trim White
	WG 100SPTDLA-RBT-SRC-W — Bezel Trim White
	WG 100SPTDLA-RBT-SRC-G — Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLA-RPT-SRC
Plaster Trim

4.4" 112mm
16.0" 406mm
4.0" 100mm
6.5" 165mm
8.4" 213mm
3.3" 84mm

WG 100SPTDLA-RBT-SRC
Bezel Trim

4.4" 112mm
14.7" 373mm
4.0" 100mm
5.2" 132mm
8.4" 213mm
3.3" 84mm

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4" ProTools DL Adjustable
Square Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[3]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLA	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLA = 4" ProTools DL

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRC = Square Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
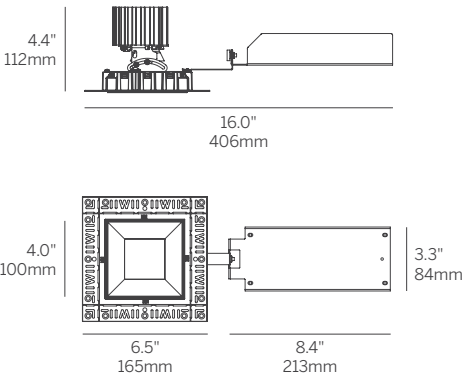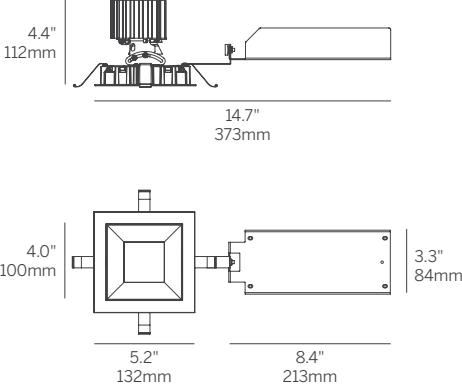## Round Regressed Cone Cover

**Multiple Beam Options With Pan And Tilt Adjustment From Regressed Source**

- 4" round downlight with 2" light aperture.
- 0.7" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).
- Tilt 40°, Rotation 365°.

Product Code	WG 100RPTDLA-RPT-RRC-W Plaster Trim White WG 100RPTDLA-RBT-RRC-W Bezel Trim White WG 100RPTDLA-RBT-RRC-G Bezel Trim Grey Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture Regressed Solite Lens Regressed Satin Clear Regressed Satin Opal Regressed Satin Clear, Wet Location Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V EldoLED, 1%, 0-10V dimming, 120-277V Lutron Hi-lume 1% EcoSystem, 120-277V Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction. Grid Kit Chicago Plenum Housing IC Housing

WG 100RPTDLA-RPT-RRC
Plaster Trim

4.4"
112mm

16.0"
406mm

4.0"
100mm

3.3"
84mm

6.5"
165mm

8.4"
213mm
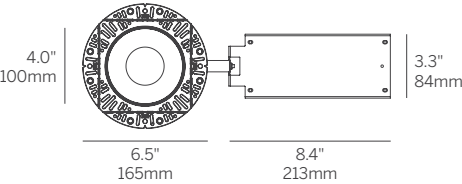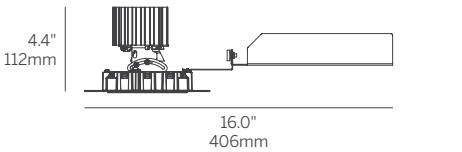
WG 100RPTDLA-RBT-RRC
Bezel Trim

4.4"
112mm

14.7"
373mm

4.0"
100mm

3.3"
84mm

5.2"
132mm

8.4"
213mm

4" ProTools DL Adjustable
Round Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLA	RPT RBT	L M H XH	927 930 935 940	X S DO10 PEQ1 PEQ0 DFPN	RRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLA = 4" ProTools DL Adjustable

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
- 90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- DO10 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRC = Round Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
Square Regressed Pinhole Cover

Multiple Beam Options With Pan And Tilt Adjustment From Regressed Source

- 4" square downlight with 2" light aperture.
- 1/2" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 40°, Rotation 365°.

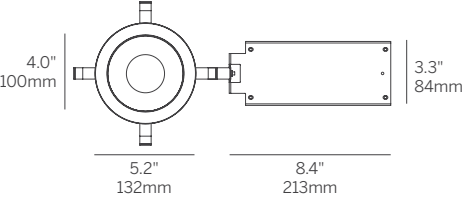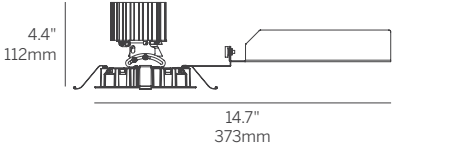|	
Product Code	WG 100SPTDLA-RPT-SRP-W Plaster Trim White
	WG 100SPTDLA-RBT-SRP-W Bezel Trim White
	WG 100SPTDLA-RBT-SRP-G Bezel Trim Grey
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16°, 32°, 41°
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLA-RPT-SRP
Plaster Trim

4.4" / 112mm

16.0" / 406mm

4.0" / 100mm   6.5" / 165mm   8.4" / 213mm   3.3" / 84mm

WG 100SPTDLA-RBT-SRP
Bezel Trim

4.4" / 112mm

14.7" / 373mm

4.0" / 100mm   5.2" / 132mm   8.4" / 213mm   3.3" / 84mm

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4" ProTools DL Adjustable
Square Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLA	RPT	L	927	X	SRP	OA	16	W	LP
	RBT	M	930	S		RSL	32	G[5]	CP
		H	935	D010		RSC	41		IC
		XH	940	PEQ1		RSO			
				PEQ0					
				DFPN					

Model
- WG-100SPTDLA = 4" ProTools DL Adjustable

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRP = Square Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
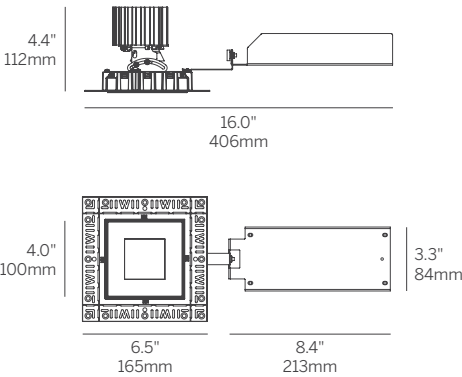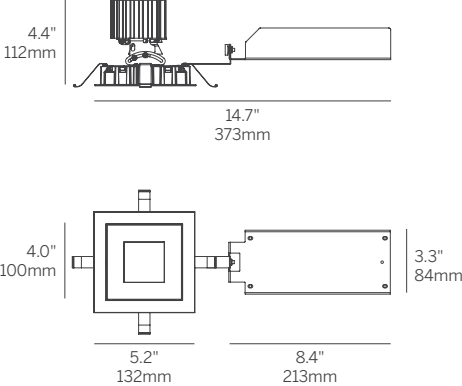## Round Regressed Pinhole Cover

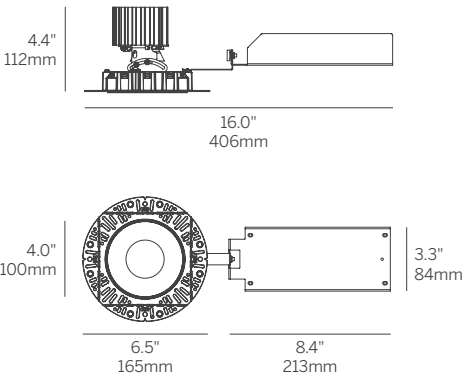**Multiple Beam Options With Pan And Tilt Adjustment From Regressed Source**

- 4" round downlight with 2" light aperture.
- 1/2" regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 40º, Rotation 365º.

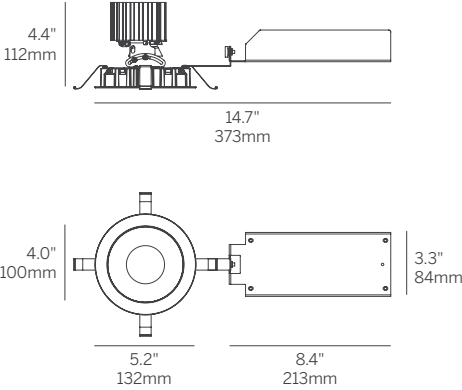|	
Product Code	WG 100RPTDLA-RPT-RRP-W Plaster Trim White
	WG 100RPTDLA-RBT-RRP-W Bezel Trim White
	WG 100RPTDLA-RBT-RRP-G Bezel Trim Grey
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16º, 32º, 41º
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLA-RPT-RRP
Plaster Trim

4.4" 112mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100RPTDLA-RBT-RRP
Bezel Trim

4.4" 112mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools DL Adjustable
Round Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLA	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRP	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC

Model
- WG-100RPTDLA = 4" ProTools DL Adjustable

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRP = Round Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
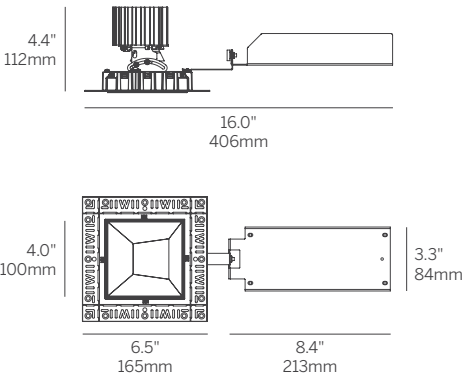## Square Asymmetric Cover

**Asymmetric Cover For Minimum Beam Clipping
With Wider Angle Optics And Higher Angle Focusing**

- 4" square downlight with 2" light aperture.
- 0.7 regressed aperture / lens position provides good glare control.
- Beam Angle: Various
- Asymmetric cover to minimize beam clipping when tilted.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 40º, Rotation 365º.
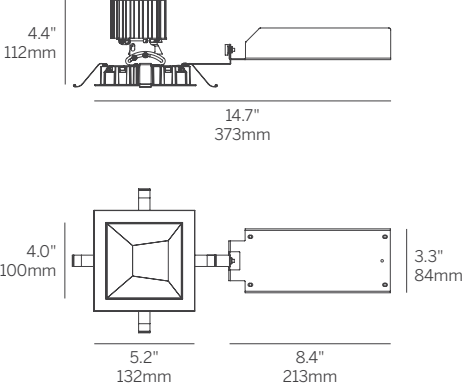- Wet Location as standard option (WL).

Product Code	WG 100SPTDLA-RPT-SAC-W Plaster Trim White
	WG 100SPTDLA-RBT-SAC-W Bezel Trim White
	WG 100SPTDLA-RBT-SAC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16º, 32º, 41º
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLA-RPT-SAC
Plaster Trim

4.4"
112mm

16.0"
406mm

4.0"
100mm

3.3"
84mm

6.5"
165mm

8.4"
213mm

WG 100SPTDLA-RBT-SAC
Bezel Trim

4.4"
112mm

14.7"
373mm

4.0"
100mm

3.3"
84mm

5.2"
132mm

8.4"
213mm

4" ProTools DL Adjustable
Square Asymmetric Cover

Model	Fixation[1,2]	Power[3]	CRI/ CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLA	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SAC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLA = 4" ProTools DL Adjustable

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SAC = Square Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Adjustable
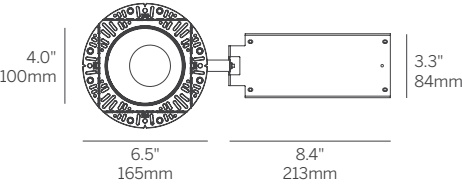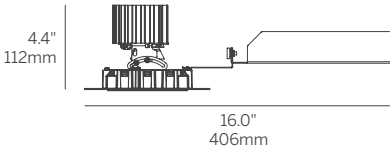## Round Asymmetric Cover

**Asymmetric Cover For Minimum Beam Clipping
With Wider Angle Optics And Higher Angle Focusing**

- 4" round downlight with 2" light aperture.
- 0.7" regressed aperture / lens position provides good glare control.
- Beam Angle: Various
- Asymmetric cover to minimize beam clipping when tilted.
- Open aperture, clear lens or high transmission diffuser.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 40º, Rotation 365º.
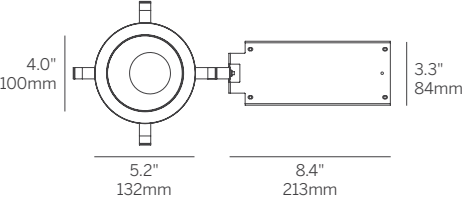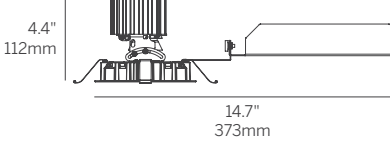- Wet Location as standard option (WL).

Product Code	WG 100RPTDLA-RPT-RAC-W Plaster Trim White
	WG 100RPTDLA-RBT-RAC-W Bezel Trim White
	WG 100RPTDLA-RBT-RAC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16º, 32º, 41º
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLA-RPT-RAC
Plaster Trim

4.4" / 112mm
16.0" / 406mm
4.0" / 100mm
3.3" / 84mm
6.5" / 165mm
8.4" / 213mm

WG 100RPTDLA-RBT-RAC
Bezel Trim

4.4" / 112mm
14.7" / 373mm
4.0" / 100mm
3.3" / 84mm
5.2" / 132mm
8.4" / 213mm

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4" ProTools DL Adjustable
Round Asymmetric Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLA	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RAC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100RPTDLA = 4" ProTools DL Adjustable

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RAC = Round Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
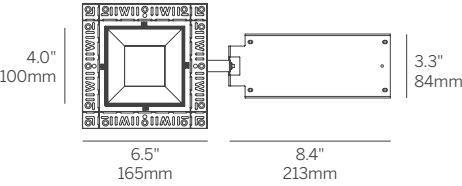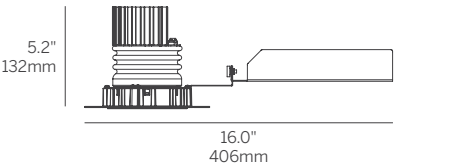## Square Regressed Cone Cover

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood. Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
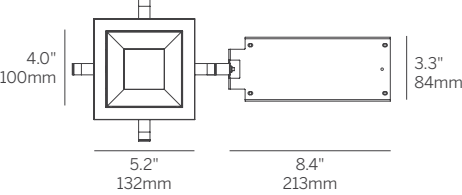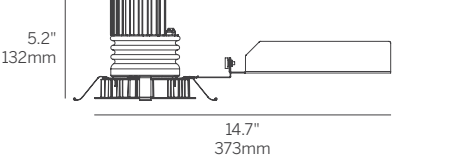- Tilt 45°, Rotation 365°.
- Wet Location option as standard (WL).

Product Code	WG 100SPTDLX-RPT-SRC-W	Plaster Trim White
	WG 100SPTDLX-RBT-SRC-W	Bezel Trim White
	WG 100SPTDLX-RBT-SRC-G	Bezel Trim Grey
	Add 'WL' for wet location option	
Aperture	4.0" × 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16°, 32°, 41°	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
	Regressed Satin Clear, Wet Location	
	Regressed Satin Opal, Wet Location	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100SPTDLX-RPT-SRC
Plaster Trim

5.2" 132mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100SPTDLX-RBT-SRC
Bezel Trim

5.2" 132mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools DLX Downlight
Square Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRC = Square Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
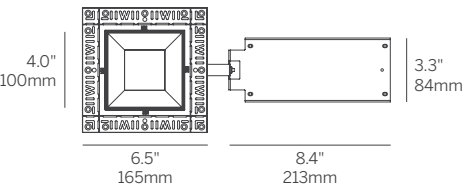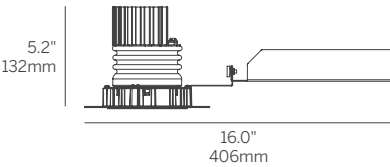## Square Regressed Cone Cover - Narrow / Zoom

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 45°, Rotation 365°.
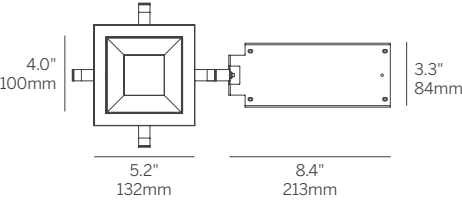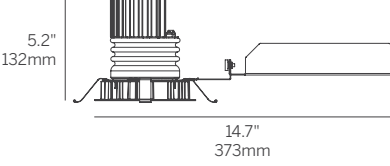- Wet Location option as standard (WL).

Product Code	WG 100SPTDLX-RPT-SRC-W Plaster Trim White
	WG 100SPTDLX-RBT-SRC-W Bezel Trim White
	WG 100SPTDLX-RBT-SRC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI, 95 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	8° (Narrow), 19°-31° (Zoom)
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLX-RPT-SRC
Plaster Trim

5.2" 132mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100SPTDLX-RBT-SRC
Bezel Trim

5.2" 132mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools DLX Downlight
Square Regressed Cone Cover - Narrow / Zoom

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRC	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 4W @ 350mA
- M = Mid Power, 5.8W @ 500mA
- H = High Power, 8.4W @ 700mA
- XH = Extra High Power, 13W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (360/480/630/850 lm)
- 930 = 3000K, (380/510/670/910 lm)
- 935 = 3500K, (380/510/670/910 lm)
- 940 = 4000K, (410/560/730/980 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRC = Square Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
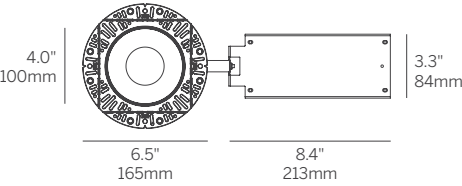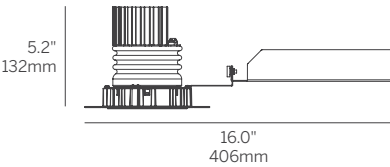## Round Regressed Cone Cover

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 25°.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
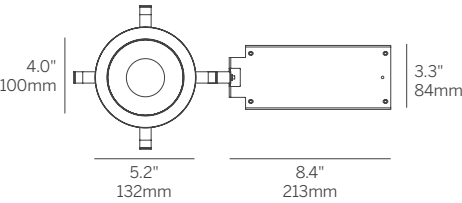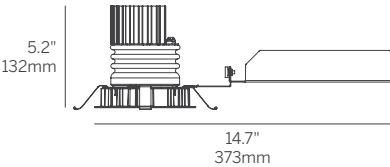- Tilt 45º, Rotation 365º.
- Wet Location option as standard (WL).

Product Code	WG 100RPTDLX-RPT-RRC-W	Plaster Trim White
	WG 100RPTDLX-RBT-RRC-W	Bezel Trim White
	WG 100RPTDLX-RBT-RRC-G	Bezel Trim Grey
	Add 'WL' for wet location option	
Aperture	Ø 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16º, 32º, 41º	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
	Regressed Satin Clear, Wet Location	
	Regressed Satin Opal, Wet Location	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100RPTDLX-RPT-RRC
Plaster Trim

5.2" 132mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100RPTDLX-RBT-RRC
Bezel Trim

5.2" 132mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

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4" ProTools DLX Downlight
Round Regressed Cone Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100RPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRC = Round Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
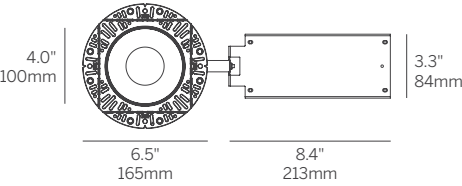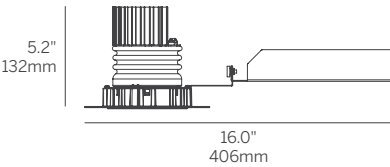## Round Regressed Cone Cover - Narrow / Zoom

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 45º, Rotation 365º.
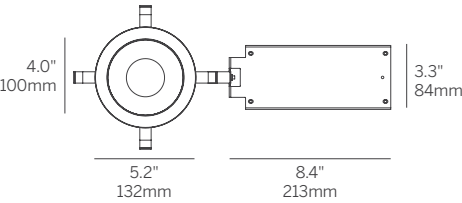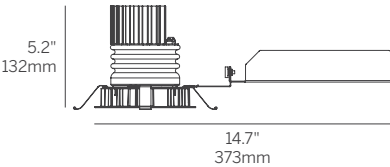- Wet Location option as standard (WL).

Product Code	WG 100RPTDLX-RPT-RRC-W Plaster Trim White
	WG 100RPTDLX-RBT-RRC-W Bezel Trim White
	WG 100RPTDLX-RBT-RRC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI, 95 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	8º (Narrow) , 19º-31º (Zoom)
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLX-RPT-RRC
Plaster Trim

5.2"
132mm

16.0"
406mm

4.0"
100mm

6.5"
165mm

8.4"
213mm

3.3"
84mm

WG 100RPTDLX-RBT-RRC
Bezel Trim

5.2"
132mm

14.7"
373mm

4.0"
100mm

5.2"
132mm

8.4"
213mm

3.3"
84mm

4" ProTools DLX Downlight
Round Regressed Cone Cover - Narrow / Zoom

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRC	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC WL

Model
- WG-100RPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRC = Round Regressed Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
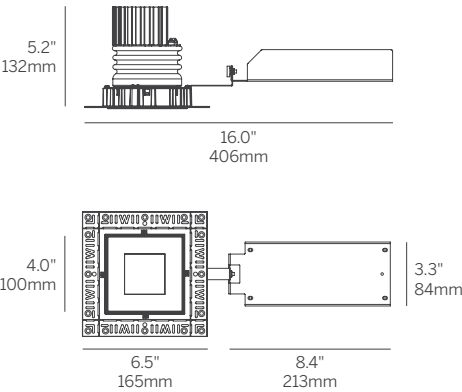## Square Regressed Pinhole Cover

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 35°.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
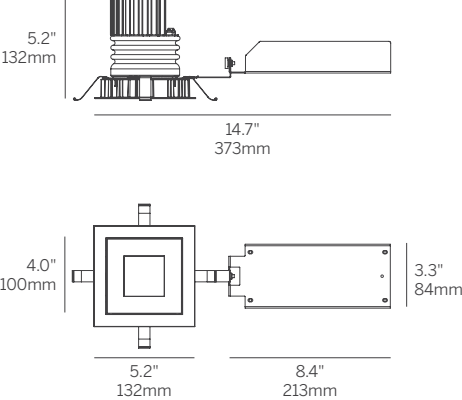- Tilt 45°, Rotation 365°.

Product Code	WG 100SPTDLX-RPT-SRP-W	Plaster Trim White
	WG 100SPTDLX-RBT-SRP-W	Bezel Trim White
	WG 100SPTDLX-RBT-SRP-G	Bezel Trim Grey
Aperture	4.0" × 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16°, 32°, 41°	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100SPTDLX-RPT-SRP
Plaster Trim

5.2" 132mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100SPTDLX-RBT-SRP
Bezel Trim

5.2" 132mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

4" ProTools DLX Downlight
Square Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRP	OA RSL RSC RSO	16 32 41 8 19-31 (Zoom)	W G[5]	LP CP IC

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRP = Square Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle
- 8 = 8° Beam Angle
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1 Other lumen packages available, consult factory.
2 Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3 See LED data sheet for delivered lumens.
4 See power supply page for details.
5 Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
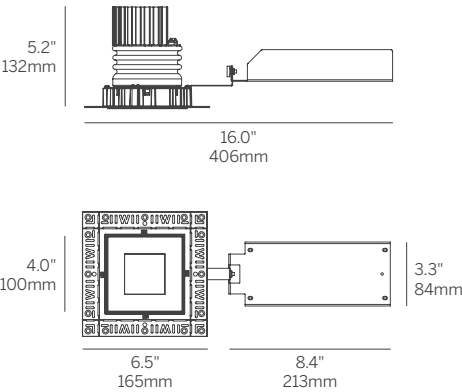## Square Regressed Pinhole Cover - Narrow / Zoom

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
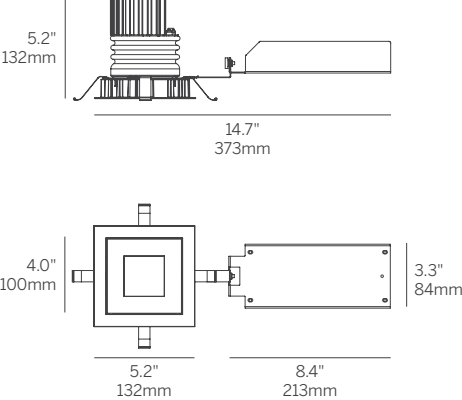- Tilt 45º, Rotation 365º.

Product Code	WG 100SPTDLX-RPT-SRP-W	Plaster Trim White
	WG 100SPTDLX-RBT-SRP-W	Bezel Trim White
	WG 100SPTDLX-RBT-SRP-G	Bezel Trim Grey
Aperture	4.0" × 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	8º (Narrow) , 19º-31º (Zoom)	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100SPTDLX-RPT-SRP
Plaster Trim

5.2" / 132mm
16.0" / 406mm
4.0" / 100mm
3.3" / 84mm
6.5" / 165mm
8.4" / 213mm

WG 100SPTDLX-RBT-SRP
Bezel Trim

5.2" / 132mm
14.7" / 373mm
4.0" / 100mm
3.3" / 84mm
5.2" / 132mm
8.4" / 213mm

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4" ProTools DLX Downlight
Square Regressed Pinhole Cover - Narrow / Zoom

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SRP	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 4W @ 350mA
- M = Mid Power, 5.8W @ 500mA
- H = High Power, 8.4W @ 700mA
- XH = Extra High Power, 13W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (360/480/630/850 lm)
- 930 = 3000K, (380/510/670/910 lm)
- 935 = 3500K, (380/510/670/910 lm)
- 940 = 4000K, (410/560/730/980 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SRP = Square Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

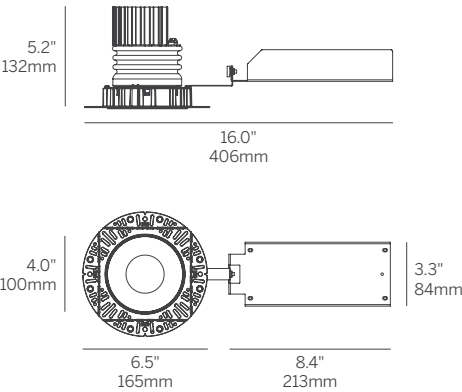# 4" ProTools DLX Downlight
Round Regressed Pinhole Cover

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various, Cut Off: 30°.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
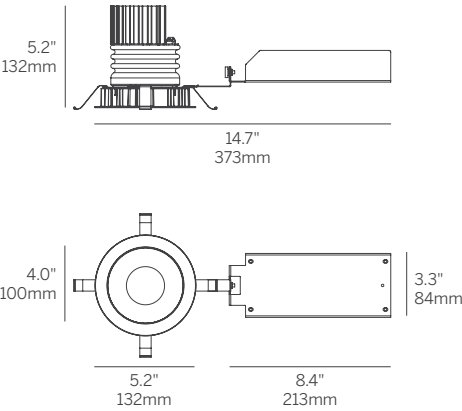- Tilt 45°, Rotation 365°.

Product Code	WG 100RPTDLX-RPT-RRP-W	Plaster Trim White
	WG 100RPTDLX-RBT-RRP-W	Bezel Trim White
	WG 100RPTDLX-RBT-RRP-G	Bezel Trim Grey
Aperture	Ø 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16°, 32°, 41°	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100RPTDLX-RPT-RRP
Plaster Trim

5.2" 132mm

16.0" 406mm

4.0" 100mm

6.5" 165mm — 8.4" 213mm

3.3" 84mm

WG 100RPTDLX-RBT-RRP
Bezel Trim

5.2" 132mm

14.7" 373mm

4.0" 100mm

5.2" 132mm — 8.4" 213mm

3.3" 84mm

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4" ProTools DLX Downlight
Round Regressed Pinhole Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRP	OA RSL RSC RSO	16 32 41 8 19-31 (Zoom)	W G[5]	LP CP IC

Model
- WG-100RPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRP = Round Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle
- 8 = 8° Beam Angle
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
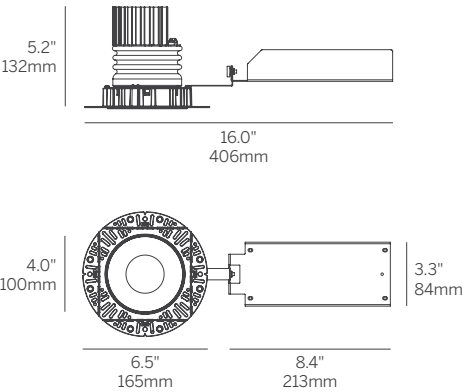## Round Regressed Pinhole Cover - Narrow / Zoom

Full Featured With Accessory Holder And Ceiling Void Light Leak Hood

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
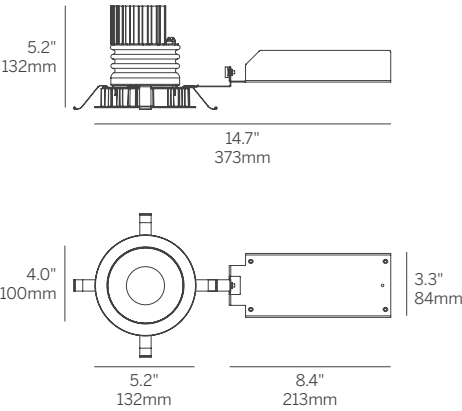- Tilt 45°, Rotation 365°.

Product Code	WG 100RPTDLX-RPT-RRP-W Plaster Trim White
	WG 100RPTDLX-RBT-RRP-W Bezel Trim White
	WG 100RPTDLX-RBT-RRP-G Bezel Trim Grey
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI, 95 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	8° (Narrow) , 19°-31° (Zoom)
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLX-RPT-RRP
Plaster Trim

5.2" 132mm

16.0" 406mm

4.0" 100mm   6.5" 165mm   8.4" 213mm   3.3" 84mm

WG 100RPTDLX-RBT-RRP
Bezel Trim

5.2" 132mm

14.7" 373mm

4.0" 100mm   5.2" 132mm   8.4" 213mm   3.3" 84mm

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100RPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RRP	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC

Model
- WG-100RPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 4W @ 350mA
- M = Mid Power, 5.8W @ 500mA
- H = High Power, 8.4W @ 700mA
- XH = Extra High Power, 13W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (360/480/630/850 lm)
- 930 = 3000K, (380/510/670/910 lm)
- 935 = 3500K, (380/510/670/910 lm)
- 940 = 4000K, (410/560/730/980 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RRP = Round Regressed Pinhole

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
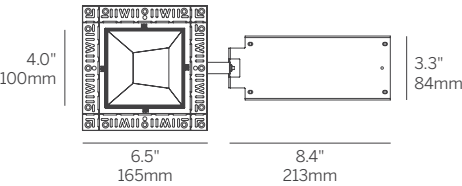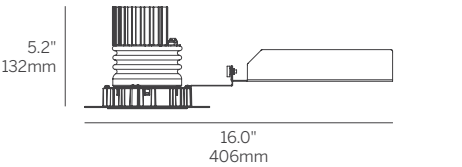## Square Asymmetric Cover

Asymmetric Cover For Minimum Beam Clipping With Wider Angle Optics And Higher Angle Focusing

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 35º, Rotation 365º.
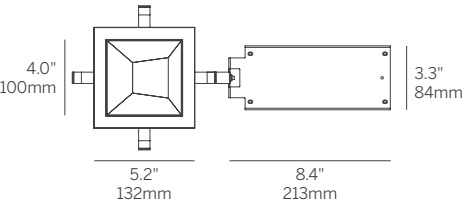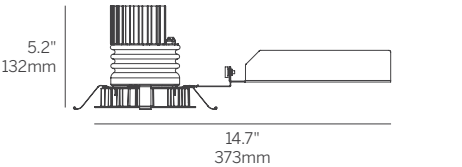- Wet Location option as standard (WL).

Product Code	WG 100SPTDLX-RPT-SAC-W	Plaster Trim White
	WG 100SPTDLX-RBT-SAC-W	Bezel Trim White
	WG 100SPTDLX-RBT-SAC-G	Bezel Trim Grey
	Add 'WL' for wet location option	
Aperture	4.0" × 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	16º, 32º, 41º	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
	Regressed Satin Clear, Wet Location	
	Regressed Satin Opal, Wet Location	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100SPTDLX-RPT-SAC
Plaster Trim

5.2" 132mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm

WG 100SPTDLX-RBT-SAC
Bezel Trim

5.2" 132mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

4" ProTools DLX Downlight
Square Asymmetric Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SAC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SAC = Square Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.
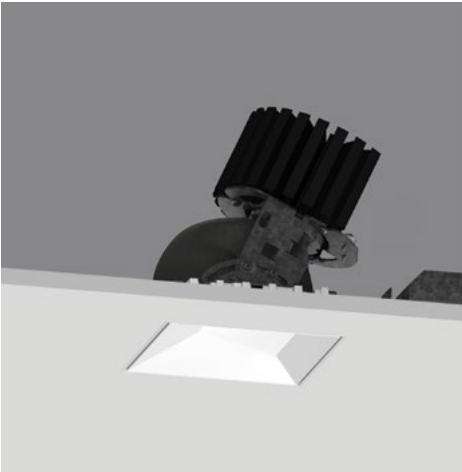
Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
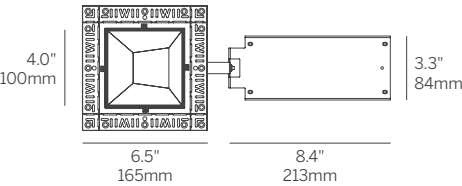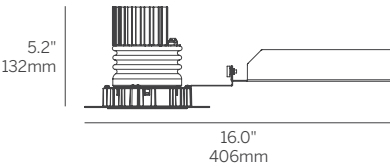## Square Asymmetric Cover - Narrow / Zoom

**Asymmetric Cover For Minimum Beam Clipping
With Wider Angle Optics And Higher Angle Focusing**

- 4" square downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 35º, Rotation 365º.
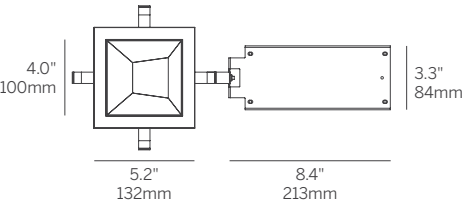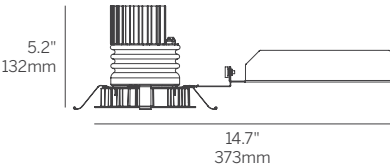- Wet Location option as standard (WL).

Product Code	WG 100SPTDLX-RPT-SAC-W Plaster Trim White
	WG 100SPTDLX-RBT-SAC-W Bezel Trim White
	WG 100SPTDLX-RBT-SAC-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI, 95 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	8º (Narrow) , 19º-31º (Zoom)
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLX-RPT-SAC
Plaster Trim

5.2"
132mm

16.0"
406mm

4.0"
100mm

3.3"
84mm

6.5"
165mm

8.4"
213mm

WG 100SPTDLX-RBT-SAC
Bezel Trim

5.2"
132mm

14.7"
373mm

4.0"
100mm

3.3"
84mm

5.2"
132mm

8.4"
213mm

4" ProTools DLX Downlight
Square Asymmetric Cover - Narrow / Zoom

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SAC	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 4W @ 350mA
- M = Mid Power, 5.8W @ 500mA
- H = High Power, 8.4W @ 700mA
- XH = Extra High Power, 13W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (360/480/630/850 lm)
- 930 = 3000K, (380/510/670/910 lm)
- 935 = 3500K, (380/510/670/910 lm)
- 940 = 4000K, (410/560/730/980 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SAC = Square Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
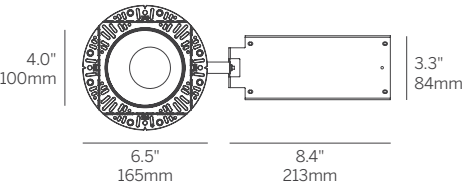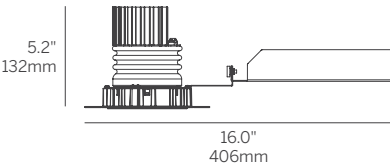## Round Asymmetric Cover

**Asymmetric Cover For Minimum Beam Clipping
With Wider Angle Optics And Higher Angle Focusing**

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- Beam Angle: Various
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.

- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
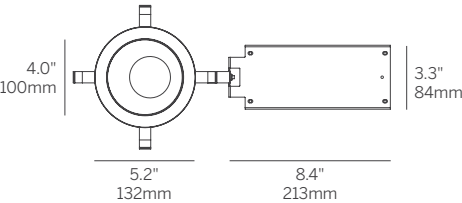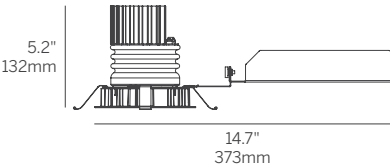- Tilt 35º, Rotation 365º.
- Wet Location option as standard (WL).

Product Code	WG 100RPTDLX-RPT-RAC-W — Plaster Trim White
	WG 100RPTDLX-RBT-RAC-W — Bezel Trim White
	WG 100RPTDLX-RBT-RAC-G — Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI, 95 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	16º, 32º, 41º
Diffuser	Open Aperture
	Regressed Solite Lens
	Regressed Satin Clear
	Regressed Satin Opal
	Regressed Satin Clear, Wet Location
	Regressed Satin Opal, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLX-RPT-RAC
Plaster Trim

5.2" / 132mm

16.0" / 406mm

4.0" / 100mm — 3.3" / 84mm

6.5" / 165mm — 8.4" / 213mm

WG 100RPTDLX-RBT-RAC
Bezel Trim

5.2" / 132mm

14.7" / 373mm

4.0" / 100mm — 3.3" / 84mm

5.2" / 132mm — 8.4" / 213mm

4" ProTools DLX Downlight
Round Asymmetric Cover

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SAC	OA RSL RSC RSO	16 32 41	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SAC = Square Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 16 = 16° Beam Angle
- 32 = 32° Beam Angle
- 41 = 41° Beam Angle

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DLX Downlight
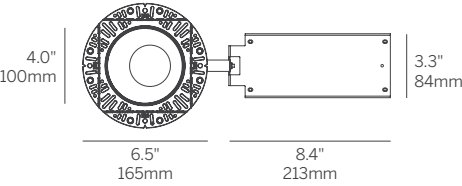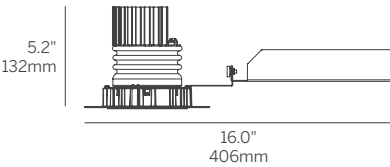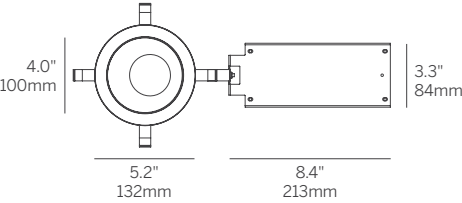## Round Asymmetric Cover - Narrow / Zoom

**Asymmetric Cover For Minimum Beam Clipping
With Wider Angle Optics And Higher Angle Focusing**

- 4" round downlight with 2" light aperture.
- Regressed aperture / lens position provides good glare control.
- 8° very narrow beam and zoom options.
- Open aperture, clear lens or optical accessory lenses.
- No light leak or view into ceiling void from below due to a unique light leak hood.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.
- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (integral driver).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Tilt 35º, Rotation 365º.
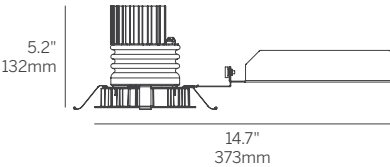- Wet Location option as standard (WL).

Product Code	WG 100RPTDLX-RPT-RAC-W	Plaster Trim White
	WG 100RPTDLX-RBT-RAC-W	Bezel Trim White
	WG 100RPTDLX-RBT-RAC-G	Bezel Trim Grey
	Add 'WL' for wet location option	
Aperture	Ø 4.0" (2.0" light aperture)	
LEDs	90 CRI, 95 CRI	
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K	
Beam	8º (Narrow) , 19º-31º (Zoom)	
Diffuser	Open Aperture	
	Regressed Solite Lens	
	Regressed Satin Clear	
	Regressed Satin Opal	
	Regressed Satin Clear, Wet Location	
	Regressed Satin Opal, Wet Location	
Dimming	Standard non-dim driver, 120-277V	
	EldoLED, 1%, 0-10V dimming, 120-277V	
	Lutron Hi-lume 1% EcoSystem, 120-277V	
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V	
	Lutron Forward Phase 1% 120VAC	
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.	
	Grid Kit	
	Chicago Plenum Housing	
	IC Housing	

WG 100RPTDLX-RPT-RAC
Plaster Trim

5.2"
132mm

16.0"
406mm

4.0"
100mm

3.3"
84mm

6.5"
165mm

8.4"
213mm

WG 100RPTDLX-RBT-RAC
Bezel Trim

5.2"
132mm

14.7"
373mm

4.0"
100mm

3.3"
84mm

5.2"
132mm

8.4"
213mm

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4" ProTools DLX Downlight
Round Asymmetric Cover - Narrow / Zoom

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Beam	Finish	Options
WG-100SPTDLX	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SAC	OA RSL RSC RSO	8 (Narrow) 19-31 (Zoom)	W G[5]	LP CP IC WL

Model
- WG-100SPTDLX = 4" ProTools DLX Downlight

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 4W @ 350mA
- M = Mid Power, 5.8W @ 500mA
- H = High Power, 8.4W @ 700mA
- XH = Extra High Power, 13W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (360/480/630/850 lm)
- 930 = 3000K, (380/510/670/910 lm)
- 935 = 3500K, (380/510/670/910 lm)
- 940 = 4000K, (410/560/730/980 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SAC = Square Asymmetric Cone

Lens
- OA = Open Aperture
- RSL = Regressed Solite Lens
- RSC = Regressed Satin Clear
- RSO = Regressed Satin Opal

Beam
- 8 = 8° Beam Angle (Narrow)
- 19-31 = 19-31° Beam Angle (Zoom)

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Optical Accessory Holder (Must be ordered separately)
Up to 3 lenses and/or accessories can be added to the Optical Accessory Holder
- SN = Snoot
- HX = Hex Louver
- FG = Frosted Glass
- LS = Linear Spread Lens
- SOL = Solite Lens

Whitegoods reserves the right to change any information without prior notice.

Notes
1. Other lumen packages available, consult factory.
2. Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3. See LED data sheet for delivered lumens.
4. See power supply page for details.
5. Plaster trim version includes white frame and gray cover.

4" ProTools DL Wall Wash
Square Wall Wash Cover

Dedicated Wall Wash Luminaire for Even Illumination of Vertical Surfaces

- 4" square downlight with 2" light aperture.
- 0.7" regressed aperture / lens providing asymmetric beam distribution optimized for even illumination of vertical surfaces.
- High-angle illumination.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (remodelling).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).
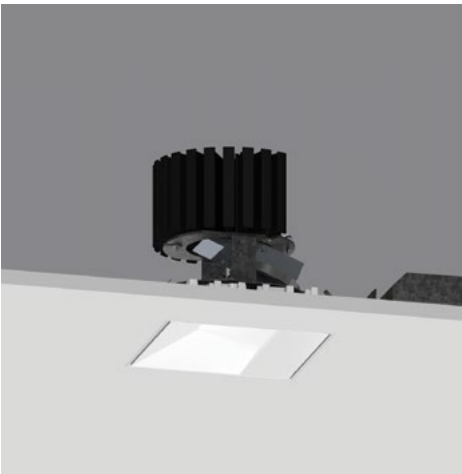
|	
Product Code	WG 100SPTDLWW-RPT-W — Plaster Trim White
	WG 100SPTDLWW-RBT-W — Bezel Trim White
	WG 100SPTDLWW-RBT-G — Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	4.0" × 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	Wall Wash
Diffuser	Regressed Satin Clear
	Regressed Satin Clear, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100SPTDLWW-RPT
Plaster Trim

4.4" 112mm
16.0" 406mm
4.0" 100mm
3.3" 84mm
6.5" 165mm
8.4" 213mm
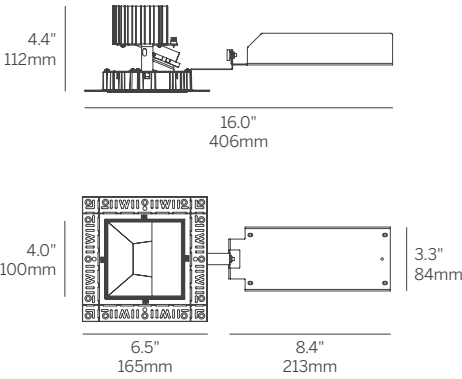
WG 100SPTDLWW-RBT
Bezel Trim
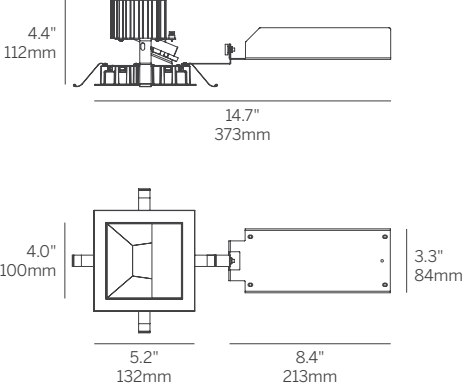
4.4" 112mm
14.7" 373mm
4.0" 100mm
3.3" 84mm
5.2" 132mm
8.4" 213mm

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Finish	Options
WG-100SPTDLWW	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	SWW	WWL	W G[5]	LP CP IC WL

Model
- WG-100SPTDLWW = 4" ProTools DL Wall Wash

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- SWW = Square Wall Wash

Lens
- WWL = Regressed Wall Wash Spread Lens

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1 Other lumen packages available, consult factory.
2 Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3 See LED data sheet for delivered lumens.
4 See power supply page for details.
5 Plaster trim version includes white frame and gray cover.

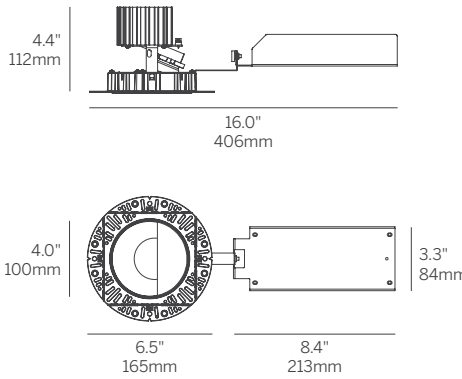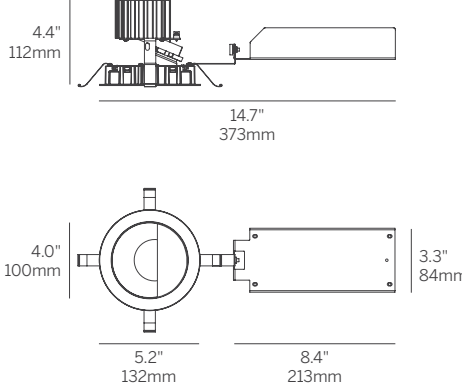# 4" ProTools DL Wall Wash
Round Wall Wash Cover

Dedicated Wall Wash Luminaire for Even Illumination of Vertical Surfaces

- 4" round downlight with 2" light aperture.
- 0.7" regressed aperture / lens providing asymmetric beam distribution optimized for even illumination of vertical surfaces.
- High-angle illumination.
- Luminaire and driver installed and maintained from below the ceiling.
- Integral or remote driver.

- Mounts in 1/16" to 1" surface.
- Minimum of 5.5" (127mm) ceiling void is required to install the fixture from below the ceiling (remodelling).
- Modular interchangeability throughout the entire ProTools DLX range of products.
- Wet Location as standard option (WL).

Product Code	WG 100RPTDLWW-RPT-W Plaster Trim White
	WG 100RPTDLWW-RBT-W Bezel Trim White
	WG 100RPTDLWW-RBT-G Bezel Trim Grey
	Add 'WL' for wet location option
Aperture	Ø 4.0" (2.0" light aperture)
LEDs	90 CRI
Color Temp	LED available in 2700K, 3000K, 3500K, 4000K
Beam	Wall Wash
Diffuser	Regressed Satin Clear
	Regressed Satin Clear, Wet Location
Dimming	Standard non-dim driver, 120-277V
	EldoLED, 1%, 0-10V dimming, 120-277V
	Lutron Hi-lume 1% EcoSystem, 120-277V
	Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
	Lutron Forward Phase 1% 120VAC
Mounting	ProTools downlights require no additional mounting kits for remodel and new construction.
	Grid Kit
	Chicago Plenum Housing
	IC Housing

WG 100RPTDLWW-RPT
Plaster Trim

4.4" / 112mm

16.0" / 406mm

4.0" / 100mm

3.3" / 84mm

6.5" / 165mm

8.4" / 213mm

WG 100RPTDLWW-RBT
Bezel Trim

4.4" / 112mm

14.7" / 373mm

4.0" / 100mm

3.3" / 84mm

5.2" / 132mm

8.4" / 213mm

Model	Fixation[1,2]	Power[3]	CRI/CCT[4]	Driver[5]	Cover	Lens	Finish	Options
WG-100RPTDLWW	RPT RBT	L M H XH	927 930 935 940	X S D010 PEQ1 PEQ0 DFPN	RWW	WWL	W G[5]	LP CP IC WL

Model
- WG-100RPTDLWW = 4" ProTools DL Wall Wash

Fixation
- RPT = Recessed Plaster Trim
- RBT = Recessed Bezel Trim

Power[1,2]
- L = Low Power, 5.7W @ 350mA
- M = Mid Power, 8.4W @ 500mA
- H = High Power, 12W @ 700mA
- XH = Extra High Power, 17.8W @ 1050mA

CRI/CCT[3]
90+ CRI (Low/Medium/High/Extra High)
- 927 = 2700K, (720/999/1344/1884 lm)
- 930 = 3000K, (775/1075/1447/2027 lm)
- 935 = 3500K, (775/1075/1447/2027 lm)
- 940 = 4000K, (830/1151/1549/2171 lm)

Driver[4]
- X = Remote driver, ordered separately
- S = Standard non-dim driver, 120-277V
- D010 = EldoLED, 1%, 0-10V Driver, 120-277V
- PEQ1 = Lutron Hi-lume 1% EcoSystem, 120-277V
- PEQ0 = Lutron Hi-lume Premier 0.1% EcoSystem, 120-277V
- DFPN = Lutron Forward Phase 1% 120VAC

Cover
- RWW = Round Wall Wash

Lens
- WWL = Regressed Wall Wash Spread Lens

Finish
- W = White
- G = Gray[5]

Options
ProTools downlights require no additional options kits for remodel & new construction
- LP = Landing Pan
- CP = Chicago Plenum Housing
- IC = IC/NC Housing
- WL = Wet Location

Whitegoods reserves the right to change any information without prior notice.

Notes
1   Other lumen packages available, consult factory.
2   Wattage shown does not include power supplies/drivers. System wattage adds 10-20%.
3   See LED data sheet for delivered lumens.
4   See power supply page for details.
5   Plaster trim version includes white frame and gray cover.

Design Guide

We have provided performance data and characteristics for Whitegoods luminaires, as well as providing expected light levels for typical scenarios based on set parameters. The results are intended as a handy reference to help the specifier plan their project quickly, efficiently and with confidence.

We have taken the most common uses of each luminaire type, set distances and heights based on typical situations and calculated the results.
Then, we vary the parameters a little either way so that you can decide for yourself the best option for your particular requirement.

4" ProTools Single Downlight - Performance

WG 100SPTD, WG 100RPTD, WG 100SPTDL, WG 100RPTDL, WG 100SPTDLX, WG 100RPTDLX
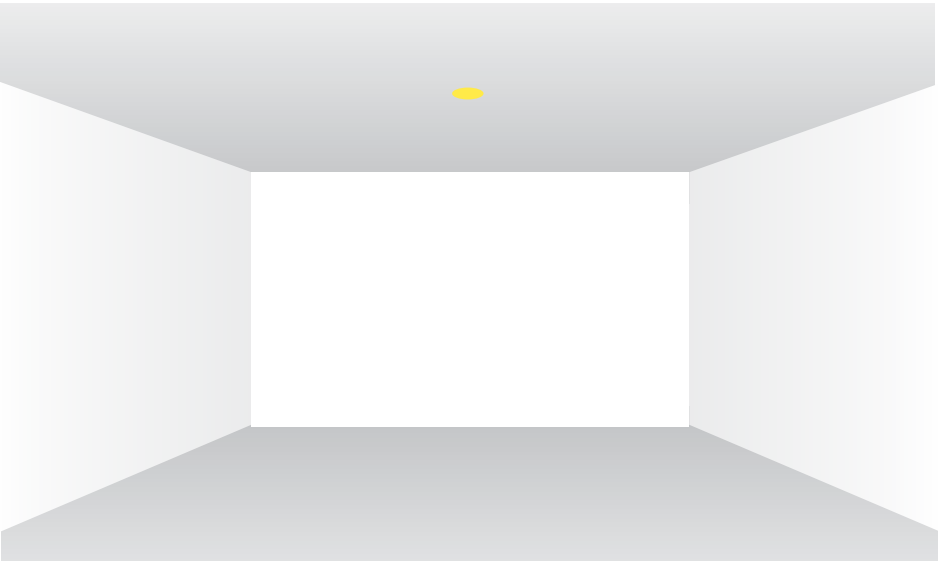
The ProTools series offers Plaster Trim and Bezel Trim fixed, wall wash and adjustable downlights with various cover options and accessories creating a flexible and versatile range of luminaires with a single consistent minimal appearance throughout.

A downlight can be used to deliver general light over a broad area, or a focused beam of concentrated light. Suitable for general area lighting in single units, grid patterns or groups as well as focused lighting and task oriented application.

This design guide provides the average light levels and beam spread which can be expected at task and floor level from a single downlight at the ceiling heights shown, and relative to the performance of each luminaire.

Refer to the diagram on the left, select your luminaire, ceiling height and distance, and read off the light level achieved in the table below.

Calculated on the following basis:

Reflectances
Ceiling 70%
Walls 50%
Floor 20%

Maintenance factor
1.0

LED
High Power
3000 Kelvin
90 CRI

How to create 'Even Illumination' in a space:

The beam angle of a single luminaire is defined by its Half Peak Intensity*. We can use this to create even illumination in a space.

Arrange luminaires equally. Use the center of the luminaire as a base and ensure that neighboring beam spreads touch or slightly overlap.
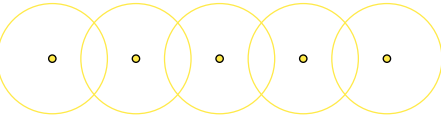
*The point at which the beam reaches half of the intensity relative to the center of its beam.

Average Light Levels
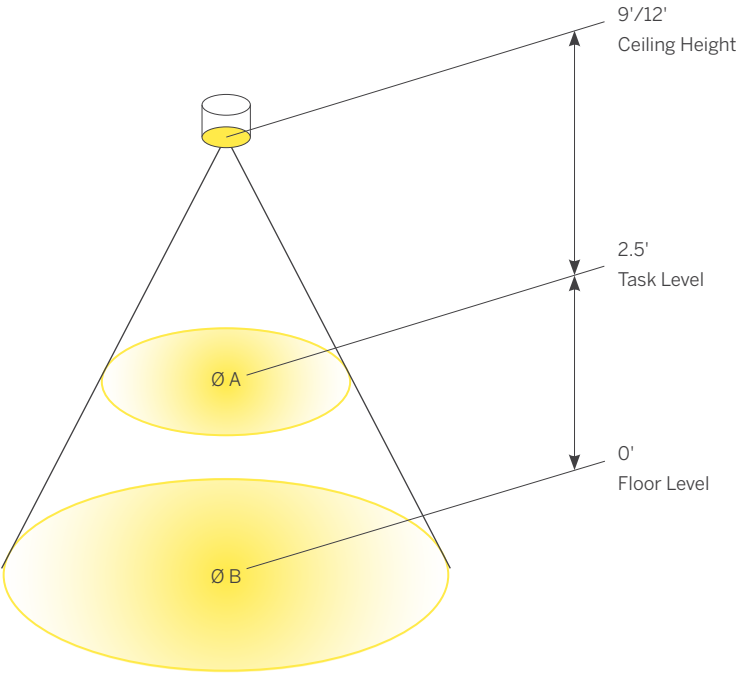
The diagram shows the average light level achieved, across an area the size shown, at the given distance from a single luminaire.
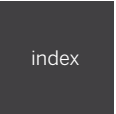
Product Code		Beam Spread
WG 100SPTD, WG 100RPTD	-	90º
WG 100SPTDL, WG 100RPTDL	-	16º
	-	32º
	-	41º
WG 100RPTDLX, WG 100RPTDLX -		16º
	-	32º
	-	41º
	-	8º

Calculation Results

| Fixtures	Power	Beam	Accessory	Ceiling Height	Ø A	Task Level (2.5') Average	Ø B	Floor Level (0') Average
WG 100SPTD, WG 100RPTD	1512lm*	90º	Flush Lens	9.0'	Ø 13'	6.4 fc	Ø 18'	3.7 fc
				12.0'	Ø 19'	3.1 fc	Ø 24'	2.1 fc
WG 100SPTDL, WG 100RPTDL, WG 100SPTDLX, WG 100RPTDLX	2027lm*	16º	Open Aperture	9.0'	Ø 1.8'	102 fc	Ø 2.5'	54 fc
				12.0'	Ø 2.7'	49 fc	Ø 3.4'	31 fc
		32º	Open Aperture	9.0'	Ø 4.2'	33 fc	Ø 5.8'	18 fc
				12.0'	Ø 6.2'	16 fc	Ø 7.8'	11 fc
		41º	Open Aperture	9.0'	Ø 5'	24 fc	Ø 6.7'	13 fc
				12.0'	Ø 7.1'	12 fc	Ø 8.9'	8 fc
WG 100SPTDLX, WG 100SPTDLX	1638lm*	8º	Glare Shield/ Snoot	9.0'	Ø 0.9'	277 fc	Ø 1.2'	149 fc
				12.0'	Ø 1.3'	132 fc	Ø 1.7'	82 fc

Values in Foot Candles

4" ProTools D Downlight
All Covers

Product Details 20-31

4" ProTools DL Downlight
All Covers

Product Details 32-39

4" ProTools DL Adjustable
All Covers

Product Details 40-51

4" ProTools DLX Downlight
All Covers

Product Details 52-63

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*Lumen data correct at the time of print. Source lumens shown. For up to date lumen data refer to specsheet.

4" ProTools Multiple Downlight - Grid Set Out

WG 100SPTD, WG 100RPTD, WG 100SPTDL, WG 100RPTDL, WG 100SPTDLX, WG 100RPTDLX
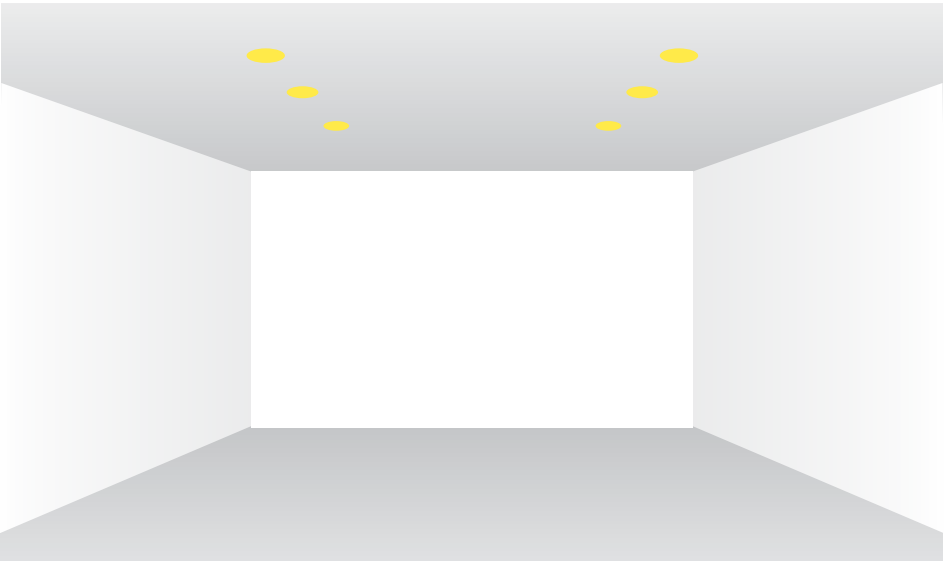
Plaster Trim and Bezel Trim fixed, wall wash and adjustable downlights with various cover options and accessories creating a flexible and versatile range of luminaires with a single consistent minimal appearance throughout.

A downlight can be used to deliver general light over a broad area, or a focused beam of concentrated light. Suitable for general area lighting in single units, grid patterns or groups as well as focused lighting and task oriented application.

This design guide provides the average light levels which can be expected at floor level from a grid of downlights at the ceiling heights shown, and relative to the performance of each luminaire.

Refer to the diagram on the left, select your luminaire, ceiling height and set out, and read off the light level achieved in the table below.

Calculated in a 20'x20' room size and on the following basis:

Reflectances
Ceiling 70%
Walls 50%
Floor 20%

Maintenance factor
1.0

LED
High Power
3000 Kelvin
90 CRI

Light Levels
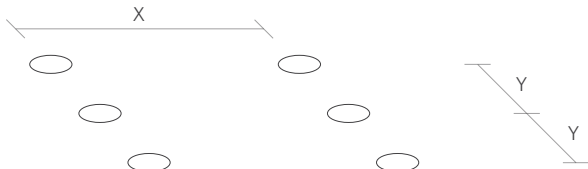
The diagram and table can be read to establish light levels achieved when luminaires are set out at the dimensions indicated, at the ceiling heights shown.

Product Code		Beam Spread
WG 100SPTD, WG 100RPTD	-	90°
WG 100SPTDL, WG 100RPTDL	-	32°
	-	41°
WG 100SPTDLX, WG 100RPTDLX	-	32°
	-	41°

X = luminaire spacing center to center
Y = distance between rows

Calculation Results

Fixtures	Power	Beam	Accessory	Ceiling Height	Y	X Average Light Levels (fc)		
						4.0'	6.0'	8.0'
WG 100SPTD, WG 100RPTD	1512lm*	90°	Flush Lens	9.0'	4.0'	46	38	34
					6.0'	38	32	28
					8.0'	34	28	25
				12.0'	4.0'	35	30	27
					6.0'	30	27	23
					8.0'	27	23	21
WG 100SPTDL, WG 100RPTDL, WG 100SPTDLX, WG 100RPTDLX	2027lm*	32°	Open Aperture	9.0'	4.0'	33	32	29
					6.0'	32	30	28
					8.0'	30	28	26
				12.0'	4.0'	30	29	27
					6.0'	29	28	26
					8.0'	27	26	24
		41°	Open Aperture	9.0'	4.0'	32	31	28
					6.0'	30	29	27
					8.0'	28	27	25
				12.0'	4.0'	29	28	25
					6.0'	28	26	24
					8.0'	25	24	22
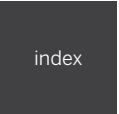
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Values in Foot Candles

*Lumen data correct at the time of print. Source lumens shown. For up to date lumen data refer to specsheet.

4" ProTools D Downlight - High Angle Illumination

WG 100SPTD, WG 100RPTD
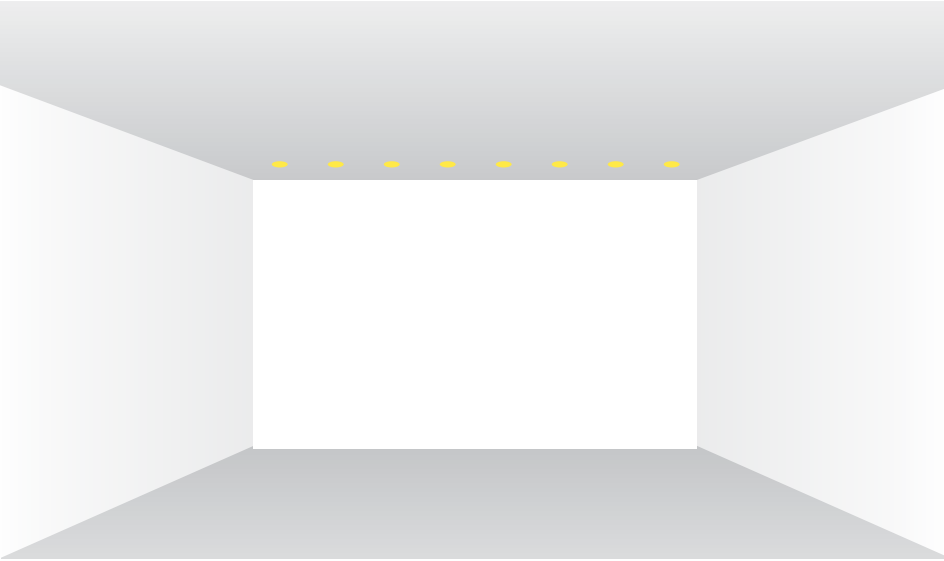
The ProTools D is a versatile luminaire with various trim, diffuser and cover options. When specified with a flush Satin Opal Diffuser, it has excellent high angle lighting performance. Although it is not intended as a dedicated wall wash luminaire, it can provide excellent illumination to nearby vertical surfaces as well as providing excellent ambient light throughout a space.

In this Design Guide, we provide you with all the information you need to work out exactly how much light can expect to deliver to a wall and floor below, relative to the distance from the surface and the center to center spacings of the luminaires.

Angle of Illumination / High Angle Lighting Performance

WG 100SPTD, WG 100RPTD
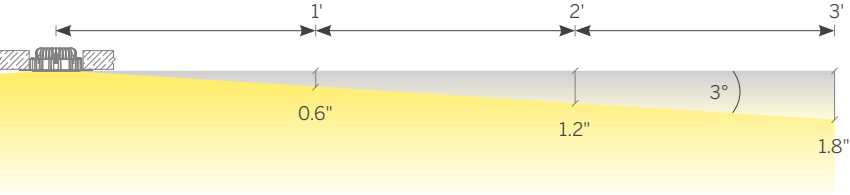
The diagrams show the point at which the contrast between the lit and the unlit perpendicular surface occurs as a soft transition line, at various distances from the luminaire.

Values in feet & inches

Angle of Illumination diagram — distances 1', 2', 3' with values 0.6", 1.2", 1.8" and 3° angle.

9' Ceiling, Typical 36" Offset, 36" Luminaire Spacing

12' Ceiling, Typical 36" Offset, 36" Luminaire Spacing

Values in Foot Candles
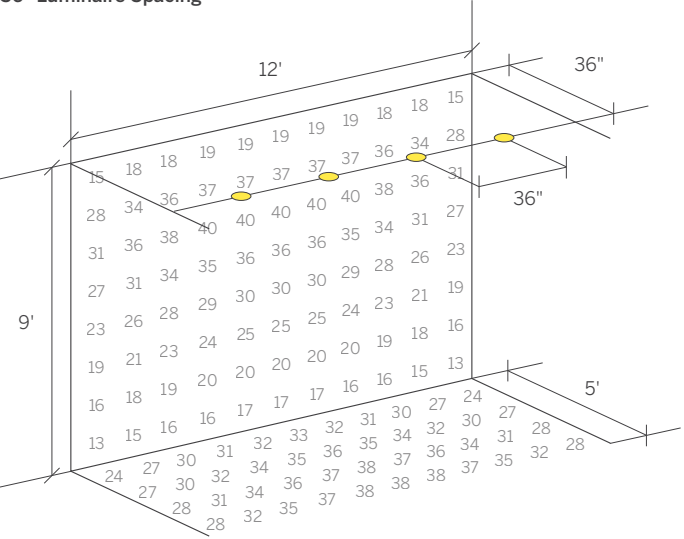
This page shows typical offsets and luminaire spacings and the resulting illumination which can be expected on the wall and floor below. The following page shows results at different offsets and luminaire spacings.

Calculated on the following basis:

Reflectances	Maintenance Factor	LED	Diffuser
Ceiling 70%	1.0	1512lm*	Custom Micro-Prismatic
Walls 50%			Wash Lens
Floor 20%			

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*Lumen data correct at the time of print. Source lumens shown. For up to date lumen data refer to specsheet.
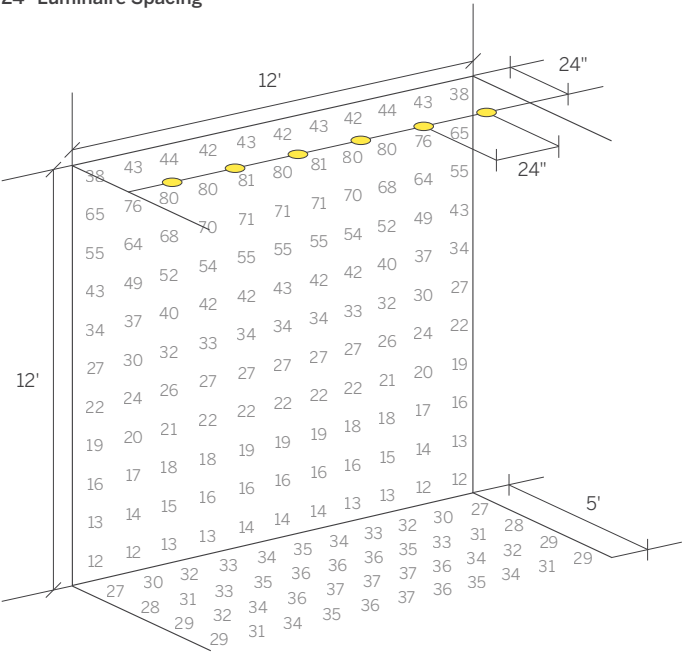
4" ProTools D Downlight - High Angle Illumination
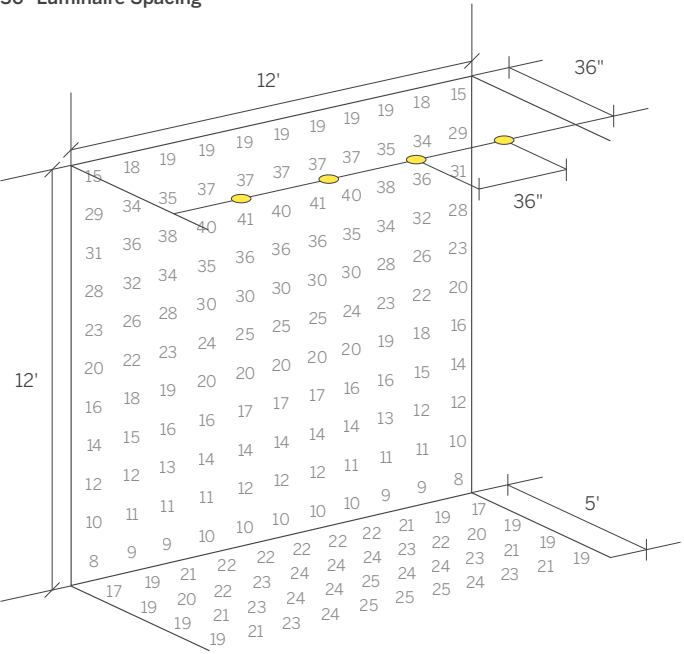
WG 100SPTD, WG 100RPTD

**9' Ceiling, Optimal 24" Offset,
24" Luminaire Spacing**

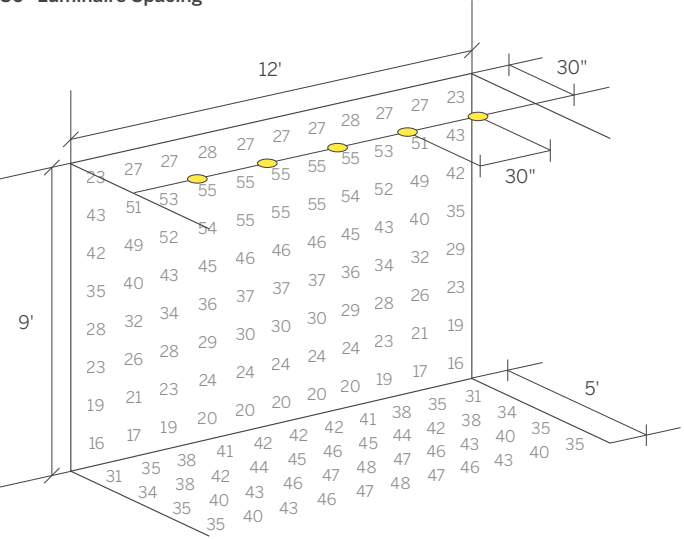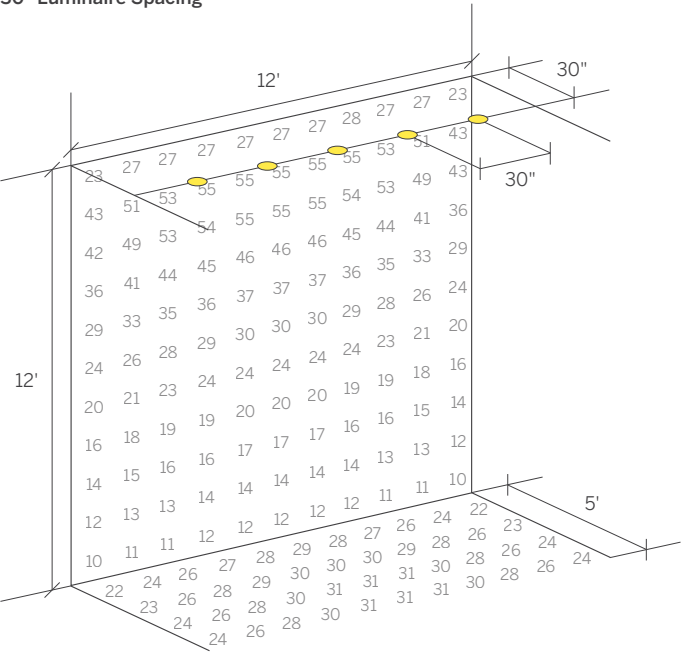**9' Ceiling, Optimal 30" Offset,
30" Luminaire Spacing**

This page shows what we feel are the optimal offsets and luminaire spacings to achieve even illumination.

**12' Ceiling, Optimal 24" Offset,
24" Luminaire Spacing**

Values in Foot Candles
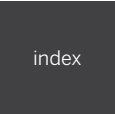
**12' Ceiling, Optimal 30" Offset,
30" Luminaire Spacing**

Values in Foot Candles

Calculated on the following basis:

Reflectances	Maintenance Factor	LED	Diffuser
Ceiling 70%	1.0	1512lm*	Custom Micro-Prismatic
Walls 50%			Wash Lens
Floor 20%			

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**4" ProTools D Downlight
All Covers**

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4" ProTools DL Wall Wash

WG 100SPTDLWW-RPT, WG 100SPTDLWW-RBT, WG 100RPTDLWW-RPT, WG 100RPTDLWW-RBT

ProTools DL Wall Wash offers round and square dedicated wall wash luminaires for even illumination of a surface. They emit a wide, even beam of light which is directed towards the wall. Washlights need to be correctly positioned, both in terms of distance from the wall, and their relative distance to one another. This guide will help you get the best result.

The golden rule is 1:1 spacing between luminaires, set to match the distance they are offset from the surface to be lit. And that offset distance should ideally be one third of the overall surface height.

Of course, at Whitegoods we understand that constraints of modern construction requirements and commercial consideration mean that it is not always practical to apply these parameters. Therefore we have designed our wall wash luminaires to work as well as possible even when mounted close to the wall.
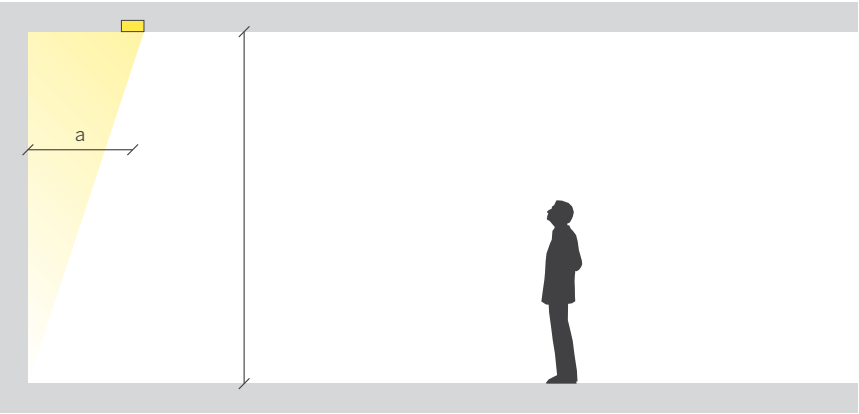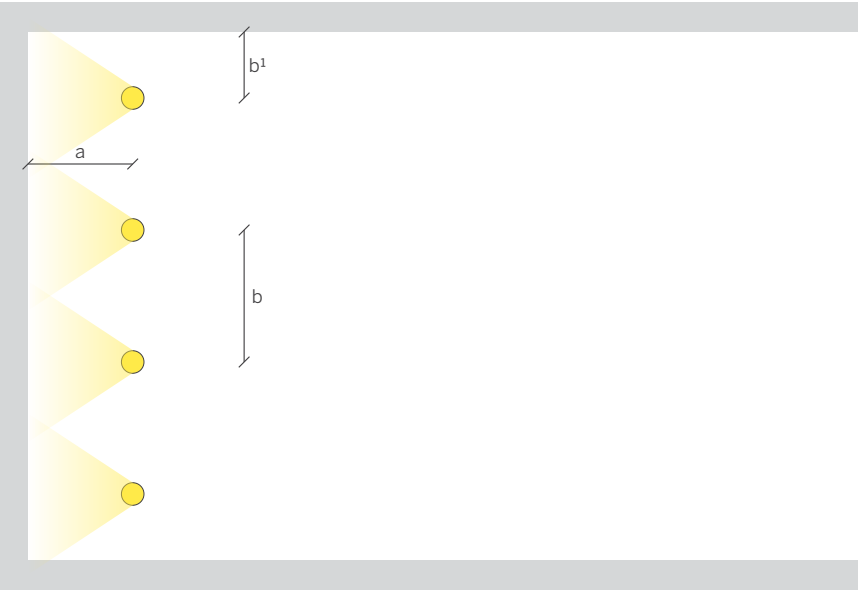
The height of the wall to be lit (h) will determine the best distance at which to position wall wash luminaires. A good 'rule of thumb' is to offset them by approximately one third of the wall height.
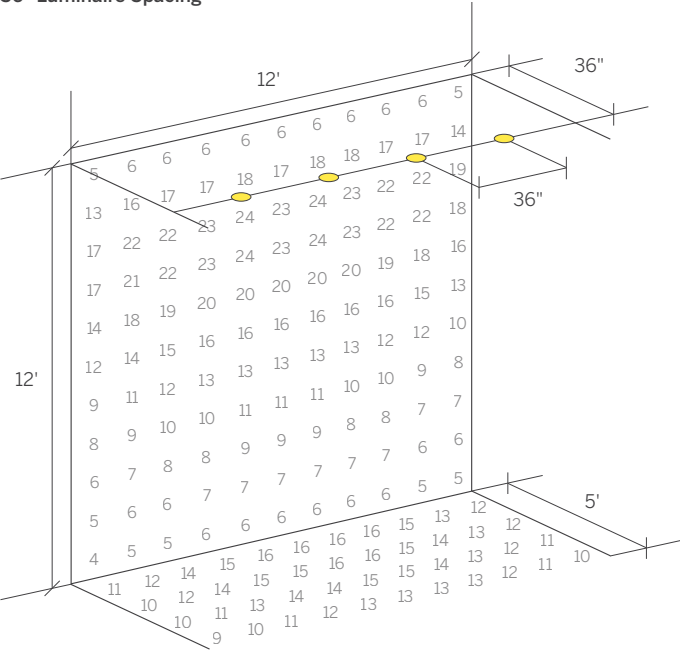
For optimum wall washing results use a 1:1 ratio between the offset (a) from the wall and the 'on center' luminaire spacings (b).

e.g. - if the wall is 9' high, then the luminaires will ideally be 3' away from the wall surface, so set them out at 3' on center - i.e. with 3' between each luminaire.

Also, where the wall meets an adjacent surface, space the last luminaire half the set out distance (b¹).
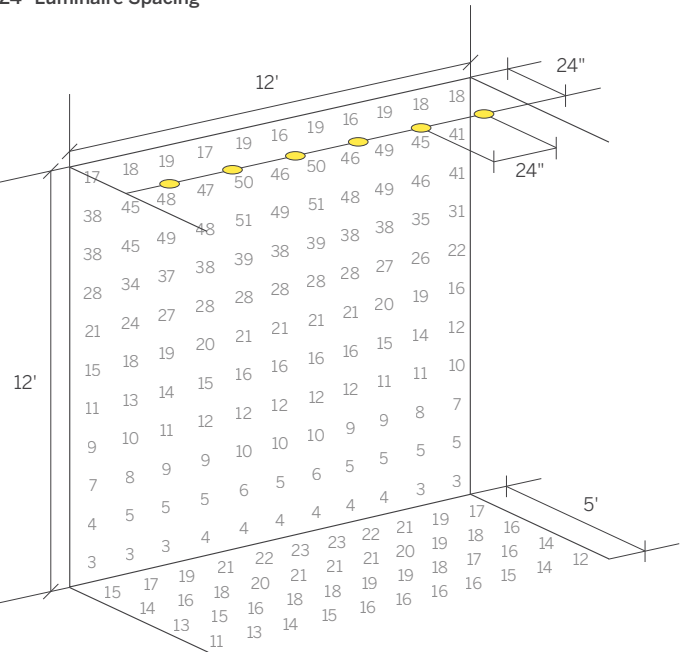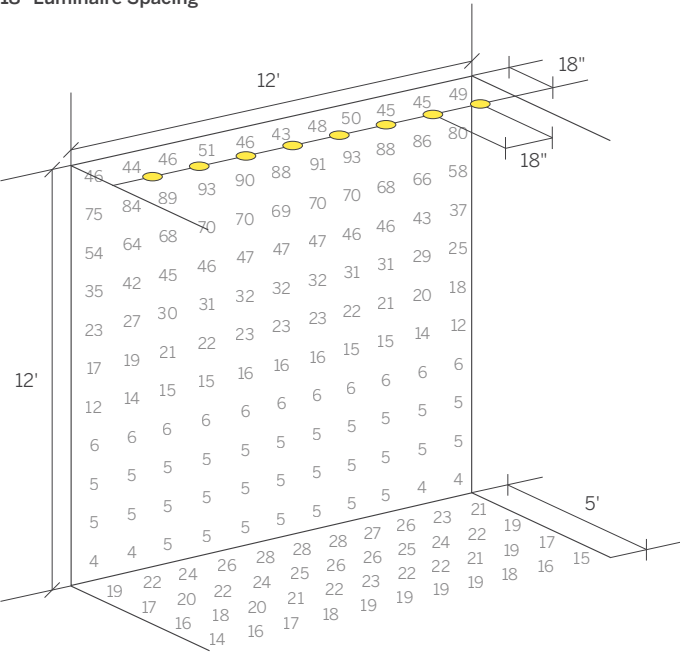
4" ProTools DL Wall Wash
All Covers

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This page shows what we feel are the optimal offsets and luminaire spacings to achieve even illumination. The following page shows results at different offsets and luminaire spacings.

12' Ceiling, 36" Offset, 36" Luminaire Spacing

12' Ceiling, 24" Offset, 24" Luminaire Spacing

12' Ceiling, 18" Offset, 18" Luminaire Spacing
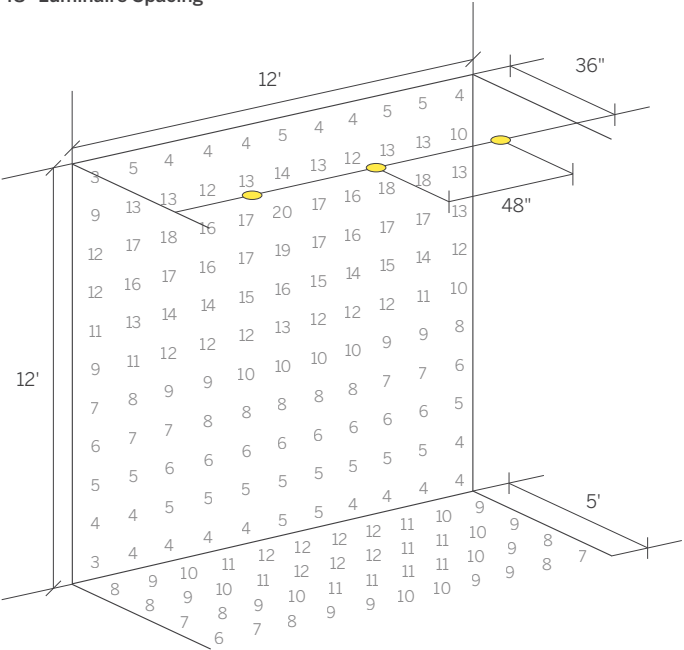
Values in Foot Candles

Calculated on the following basis:

Reflectances	Maintenance Factor	LED	Diffuser
Ceiling 70%	1.0	2027lm*	Custom Micro-prismatic
Walls 50%		3000 Kelvin	wash lens
Floor 20%		90 CRI	

*Lumen data correct at the time of print. Source lumens shown. For up to date lumen data refer to specsheet.

4" ProTools DL Wall Wash

12' Ceiling, 36" Offset, 48" Luminaire Spacing

12' Ceiling, 24" Offset, 36" Luminaire Spacing

12' Ceiling, 18" Offset, 24" Luminaire Spacing

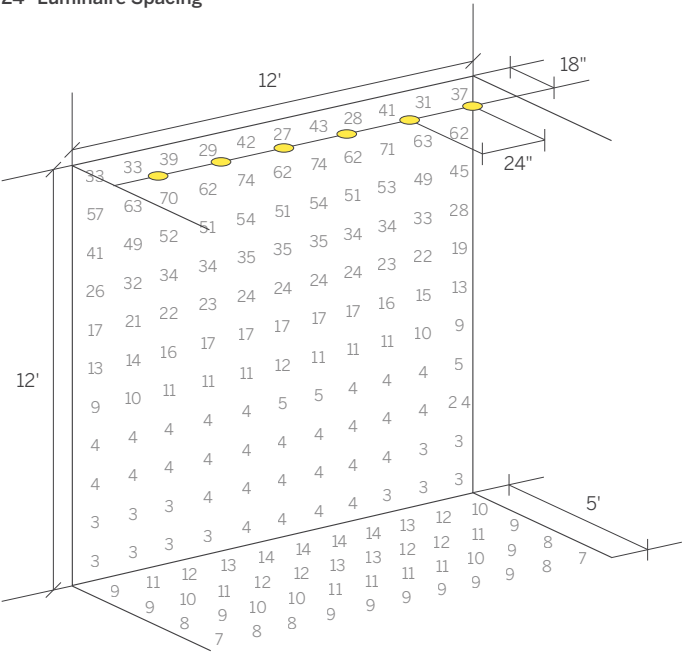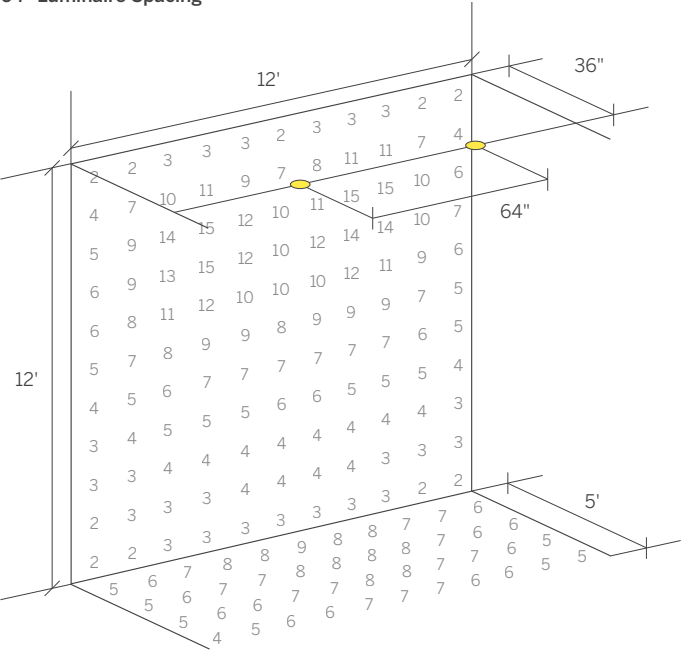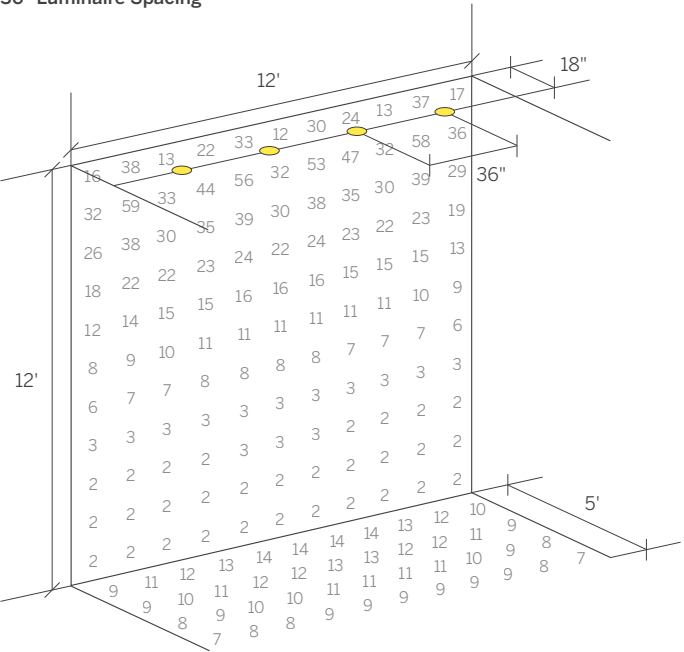Values in Foot Candles

12' Ceiling, 36" Offset, 64" Luminaire Spacing

12' Ceiling, 24" Offset, 48" Luminaire Spacing

12' Ceiling, 18" Offset, 36" Luminaire Spacing
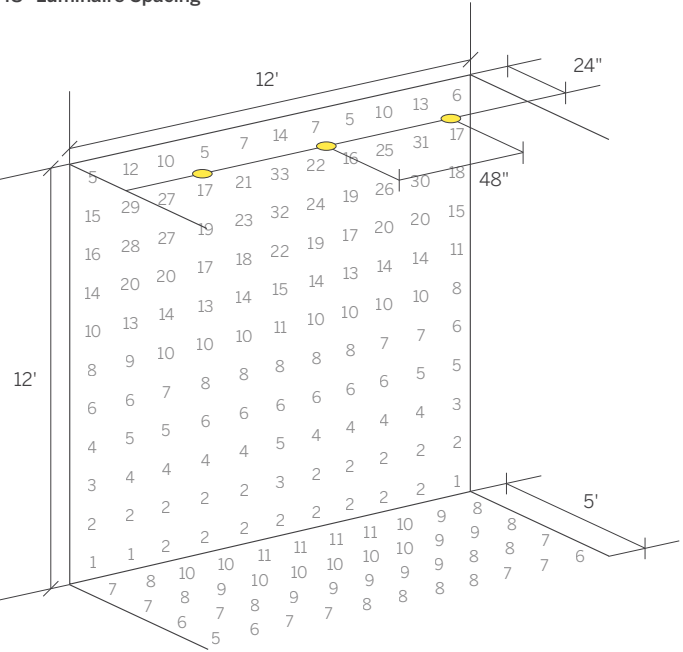

Values in Foot Candles

Calculated on the following basis:

Reflectances	Maintenance Factor	LED	Diffuser
Ceiling 70%	1.0	2027lm*	Custom Micro-prismatic
Walls 50%		3000 Kelvin	wash lens
Floor 20%		90 CRI	

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4" ProTools DL Wall Wash
All Covers

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Photo Credits

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project	Robert L. Bogomolny Library
location	Baltimore, MD
architect	Behnisch Architekten
lighting design	MCLA
photography	David Mattiessen Photography

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project	Rockville Town Center
location	Rockville, MD
architect	R2L:Architects, PLLC
photography	Steve Lerum, Inter-lux

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project	BMW Paris George V
location	Paris, France
architect	Carbondale
lighting design	Mindseye
photography	Roland Halbe

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project	Rockville Town Center
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architect	R2L:Architects, PLLC
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project	Senova Dental Practice
location	London, UK
architect	FLACQ Architects
photography	Andy Spain

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project	Rockville Town Center
location	Rockville, MD
architect	R2L:Architects, PLLC
photography	Steve Lerum, Inter-lux

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project	Robert L. Bogomolny Library
location	Baltimore, MD
architect	Behnisch Architekten
lighting design	MCLA
photography	David Mattiessen Photography

The application of light to the surfaces
around us is a critical factor in our
perception of any space.

 When proper consideration is given
to the architecture, function and the
desired atmosphere, lighting can
become a truly integrated part of the
overall environment being created,
often unseen although defining and
enhancing the space.

inter•lux

tools for lighting